

	Annex B: Measurement Results
	Project Name : X557
	Report Number: FCC16083920A-6

MEASUREMENT 71

Top-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 11 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.11</u>

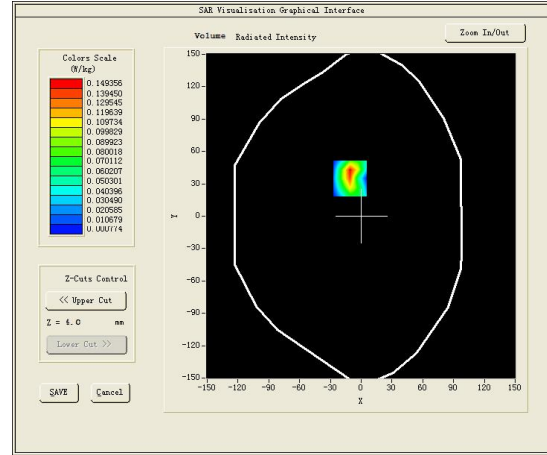
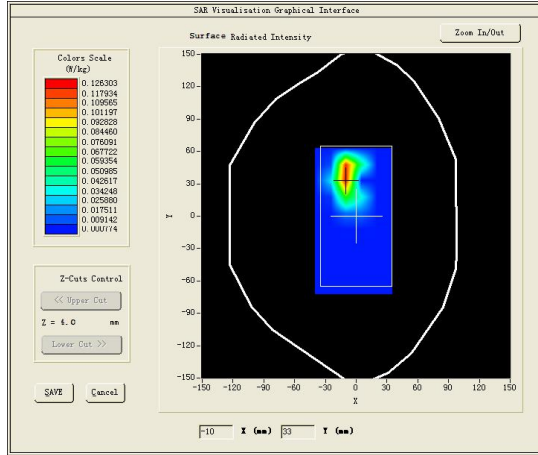
B. SAR Measurement Results

Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.915798
Relative permittivity (imaginary part)	14.315100
Conductivity (S/m)	1.942082
Variation (%)	2.560000

SURFACE SAR

VOLUME SAR

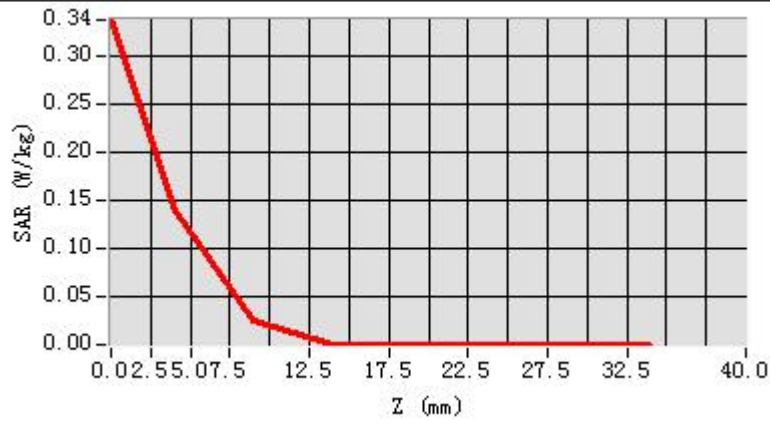


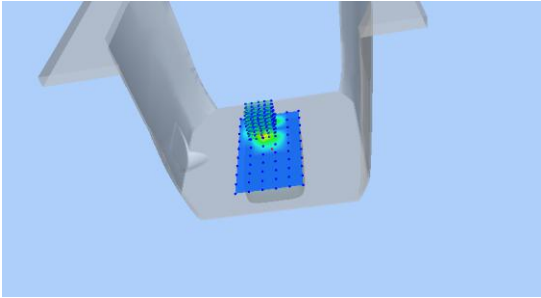
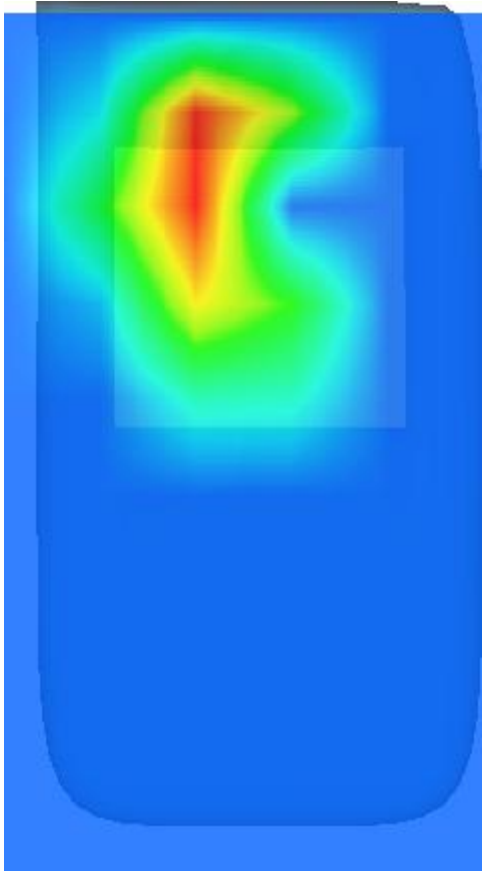
Maximum location: X=-11.00, Y=35.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.002484
SAR 1g (W/Kg)	0.006280

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3368	0.1401	0.0264	0.0008	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 72

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 7 minutes 48 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.11</u>

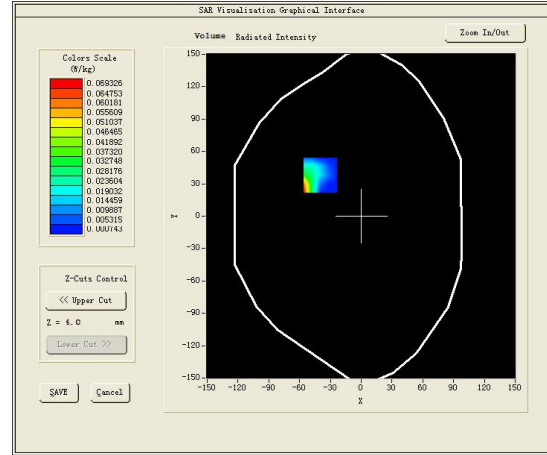
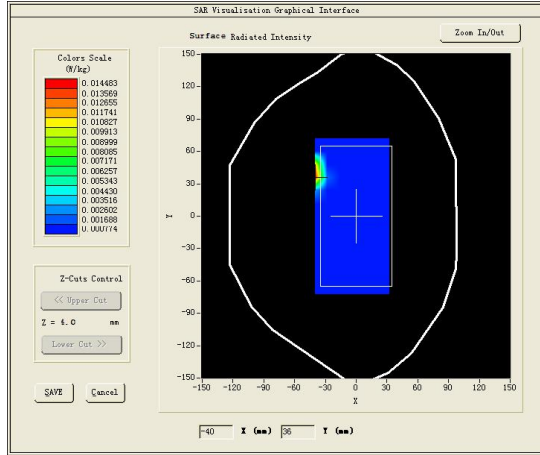
B. SAR Measurement Results

Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.915798
Relative permittivity (imaginary part)	14.315100
Conductivity (S/m)	1.942082
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

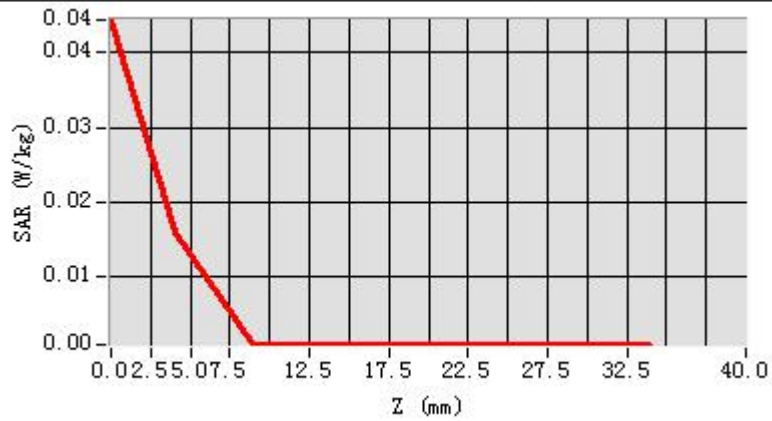


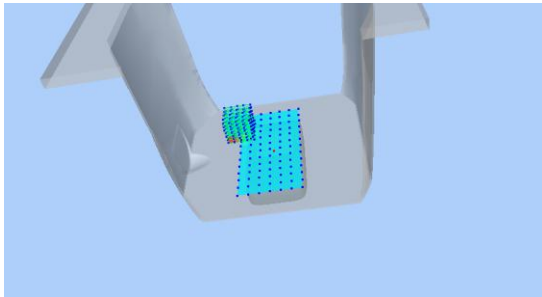
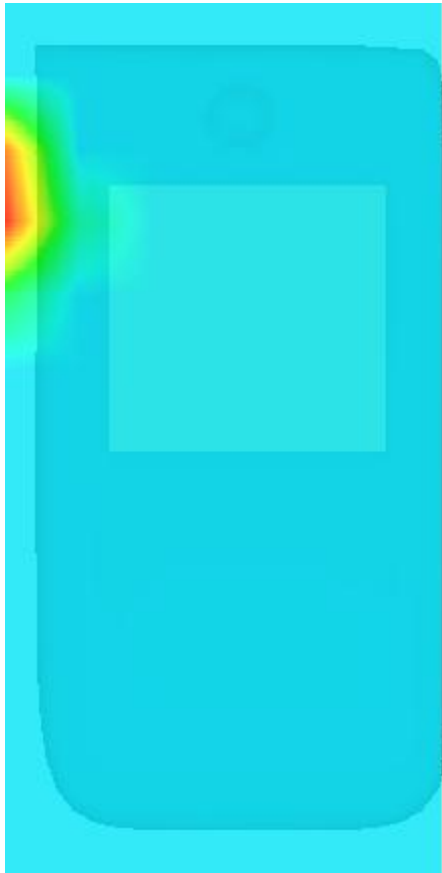
Maximum location: X=-40.00, Y=38.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.022169
SAR 1g (W/Kg)	0.055226

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0444	0.0160	0.0008	0.0008	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 73

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 11 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.11</u>

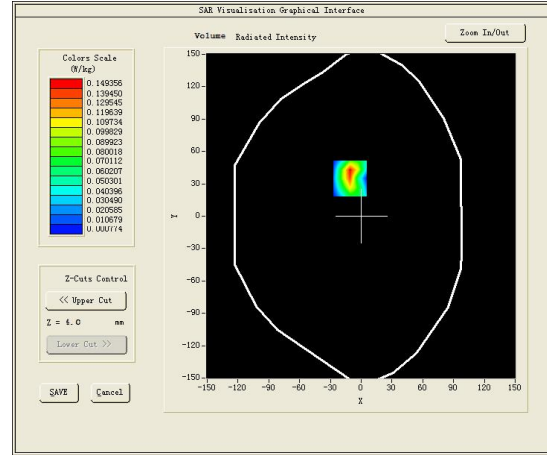
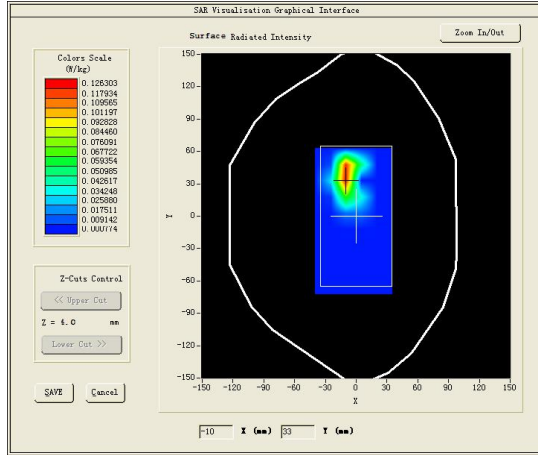
B. SAR Measurement Results

Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.915798
Relative permittivity (imaginary part)	14.315100
Conductivity (S/m)	1.942082
Variation (%)	0.210000

SURFACE SAR

VOLUME SAR

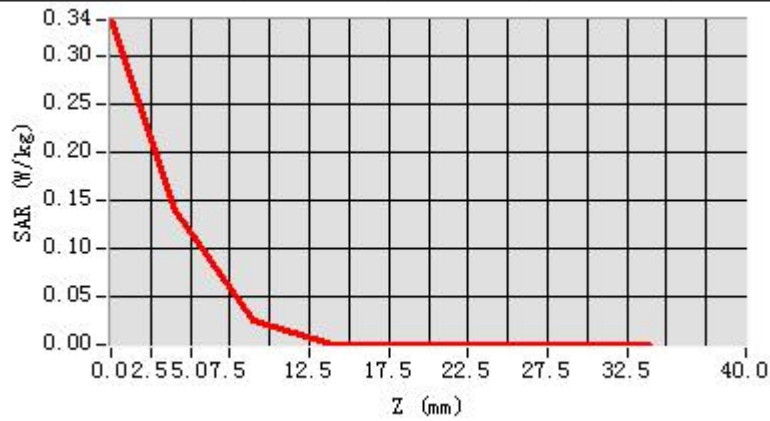


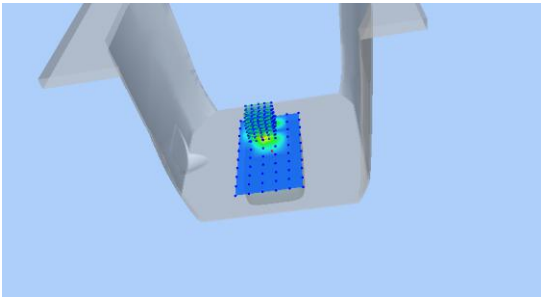
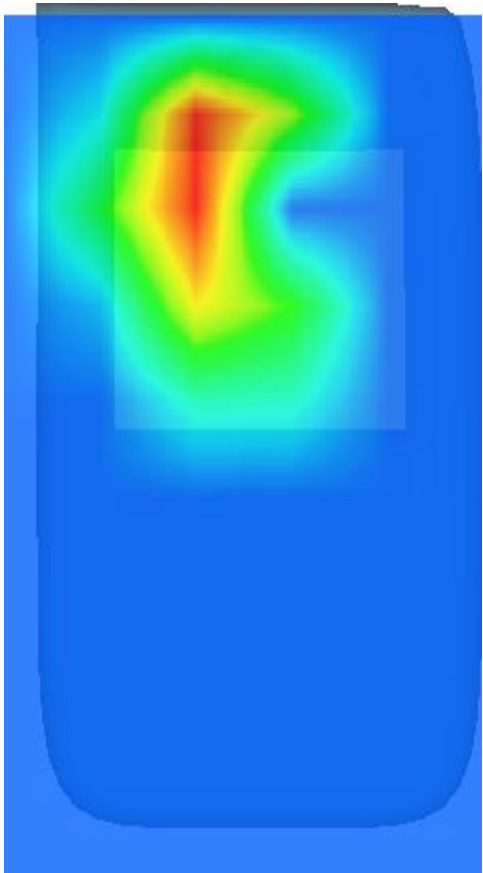
Maximum location: X=-11.00, Y=35.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.072484
SAR 1g (W/Kg)	0.166280

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3368	0.1401	0.0264	0.0008	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 74

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 10 minutes 36 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.11</u>

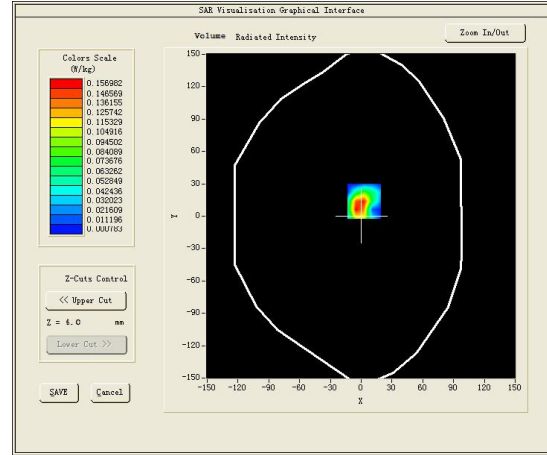
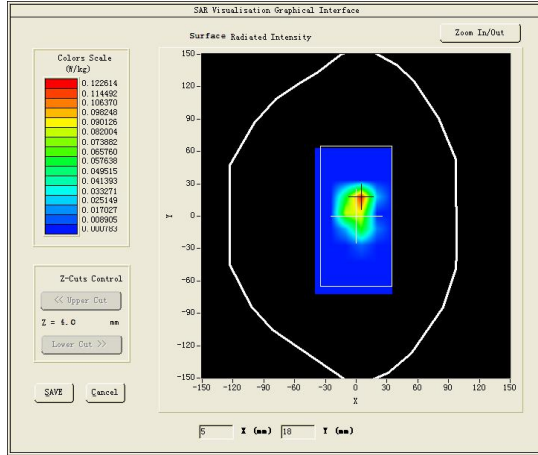
B. SAR Measurement Results

Higher Band SAR (Channel 11):

Frequency (MHz)	2462.000000
Relative permittivity (real part)	55.097698
Relative permittivity (imaginary part)	12.224000
Conductivity (S/m)	1.678763
Variation (%)	2.800000

SURFACE SAR

VOLUME SAR

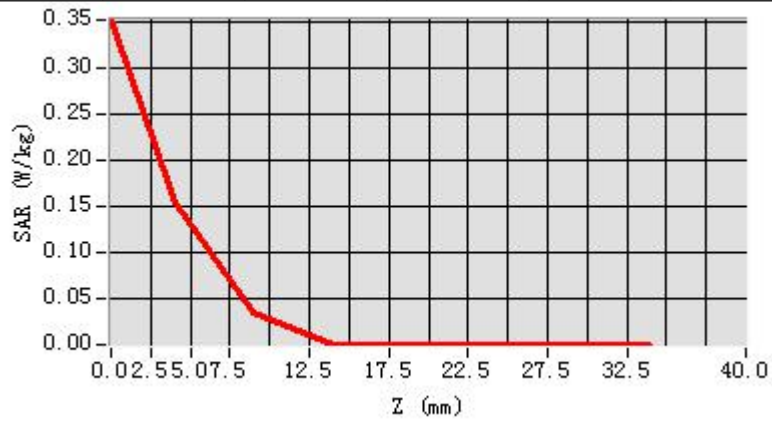


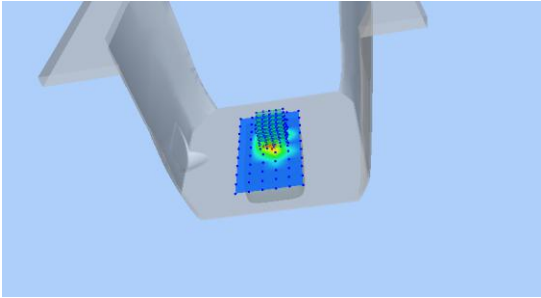
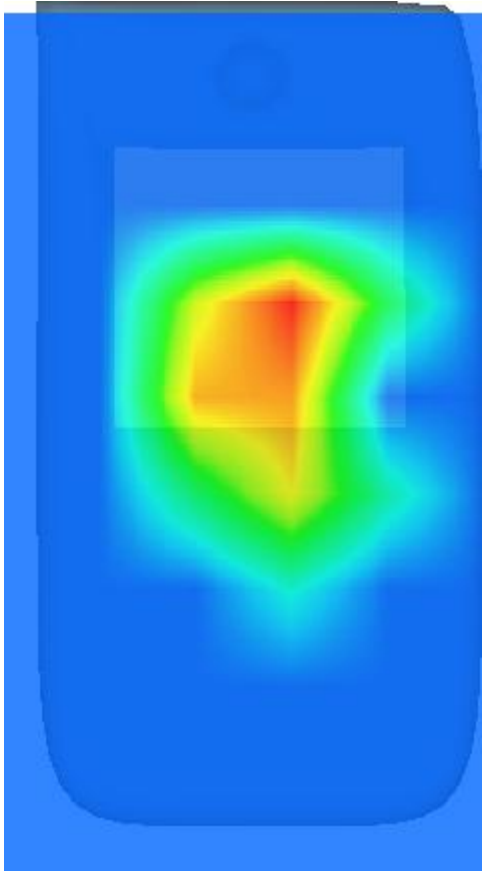
Maximum location: X=3.00, Y=14.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.050851
SAR 1g (W/Kg)	0.159863

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3516	0.1535	0.0358	0.0008	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 75

Rear Side-low

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 38 seconds

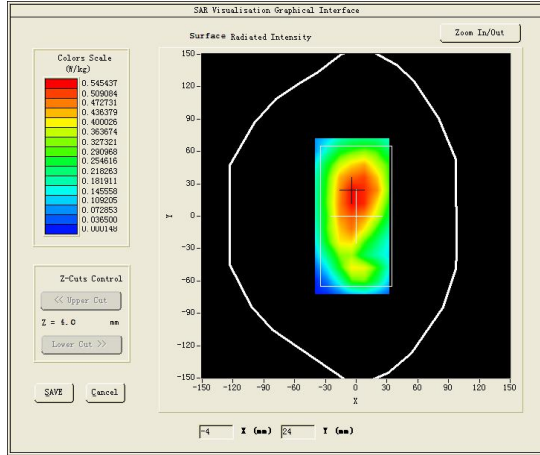
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Low</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

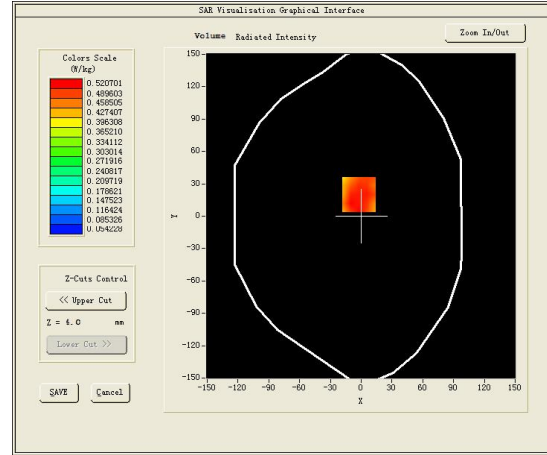
B. SAR Measurement Results

Frequency (MHz)	824.200012
Relative permittivity (real part)	53.651520
Relative permittivity (imaginary part)	21.683880
Conductivity (S/m)	0.992881
Variation (%)	-1.100000

SURFACE SAR



VOLUME SAR

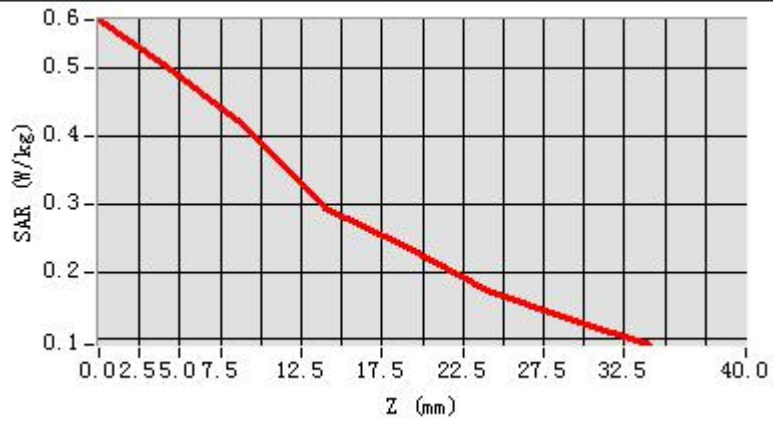


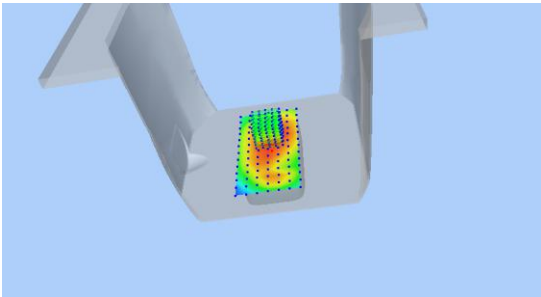
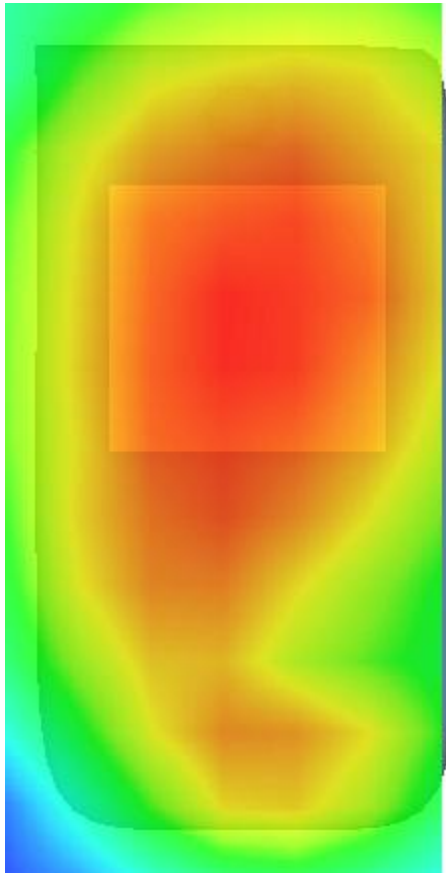
Maximum location: X=-2.00, Y=20.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.211634
SAR 1g (W/Kg)	0.374302

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5727	0.5084	0.4165	0.2938	0.2375	0.1704	0.1307



3D screen shot	Hot spot position
	

MEASUREMENT 76

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 27 seconds

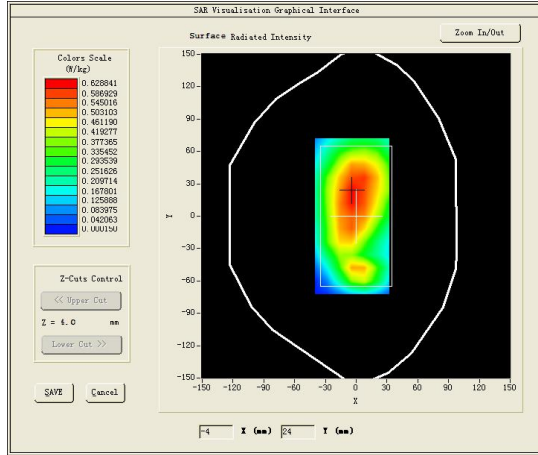
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

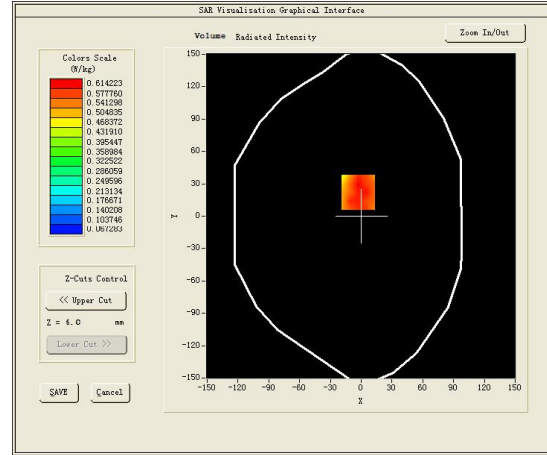
B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	53.395020
Relative permittivity (imaginary part)	21.690760
Conductivity (S/m)	1.008138
Variation (%)	1.230000

SURFACE SAR



VOLUME SAR

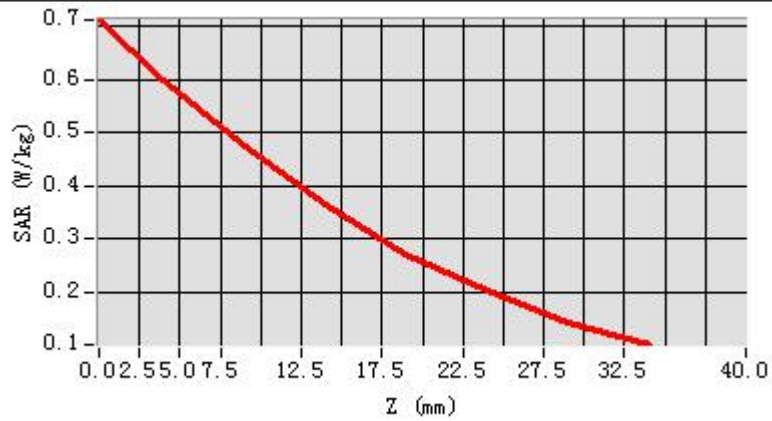


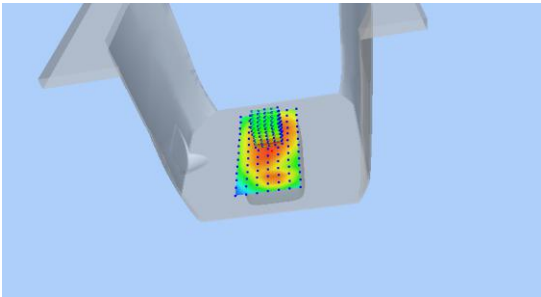
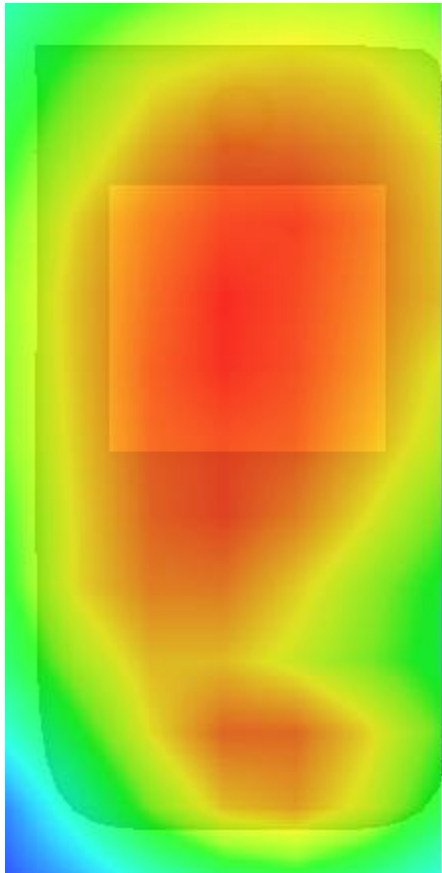
Maximum location: X=-3.00, Y=22.00

SAR Peak: 0.82 W/kg

SAR 10g (W/Kg)	0.213415
SAR 1g (W/Kg)	0.356435

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7121	0.5990	0.4731	0.3639	0.2719	0.2010	0.1417



3D screen shot	Hot spot position
	

MEASUREMENT 77

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 12 minutes 28 seconds

A. Experimental conditions.

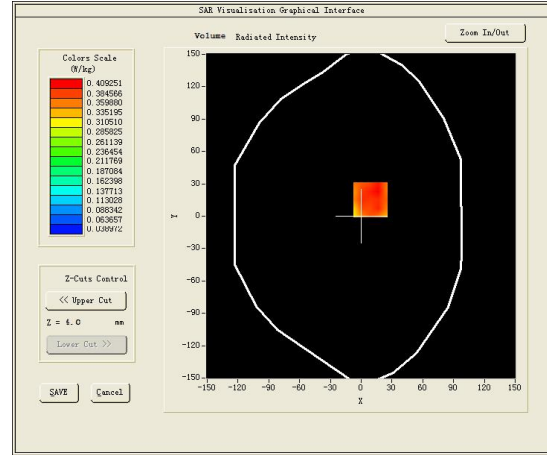
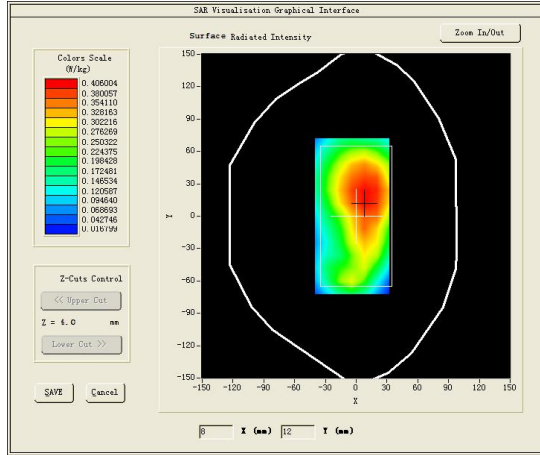
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	53.395020
Relative permittivity (imaginary part)	21.690760
Conductivity (S/m)	1.008138
Variation (%)	1.560000

SURFACE SAR

VOLUME SAR

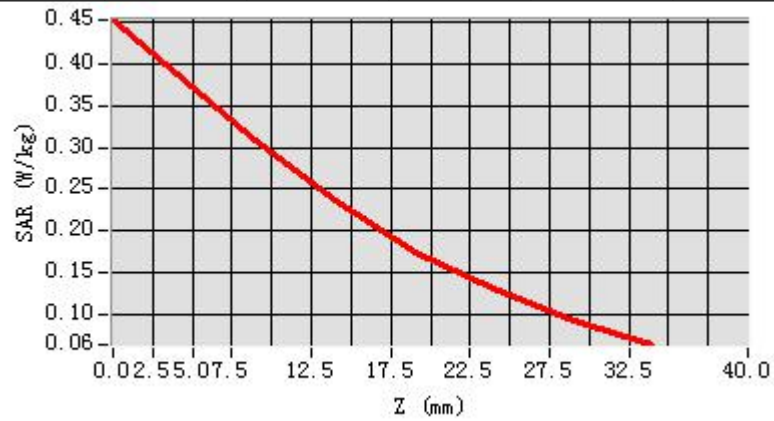


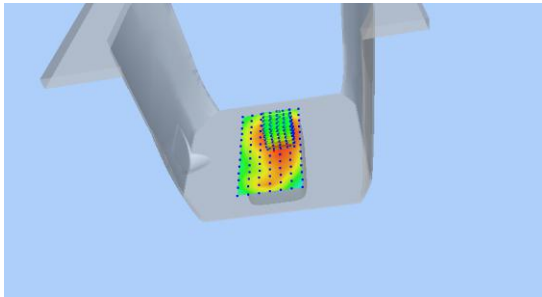
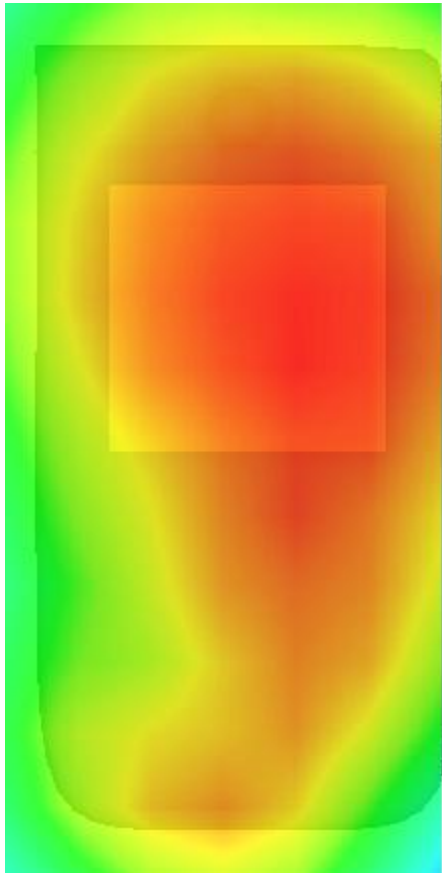
Maximum location: X=9.00, Y=15.00

SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.325321
SAR 1g (W/Kg)	0.564095

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4529	0.3877	0.3079	0.2353	0.1739	0.1315	0.0922



3D screen shot	Hot spot position
	

MEASUREMENT 78

Rear Side-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 27 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

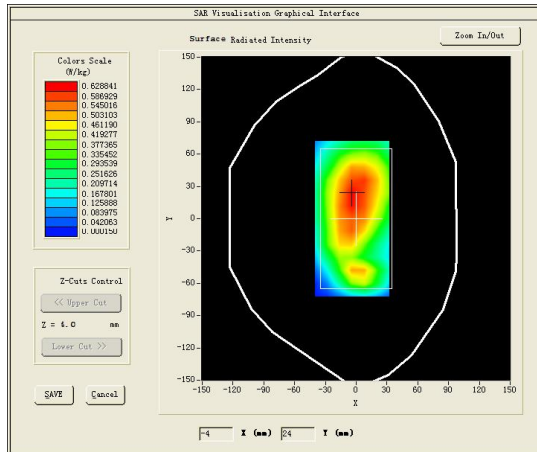
B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	53.395020
Relative permittivity (imaginary part)	21.690760
Conductivity (S/m)	1.008138

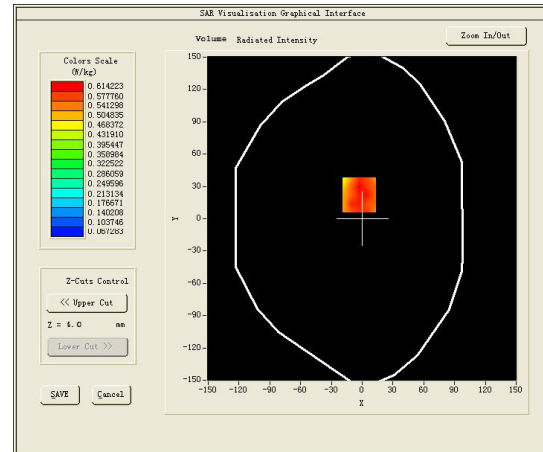
Variation (%)

2.100000

SURFACE SAR



VOLUME SAR



Maximum location: X=-3.00, Y=22.00

SAR Peak: 0.82 W/kg

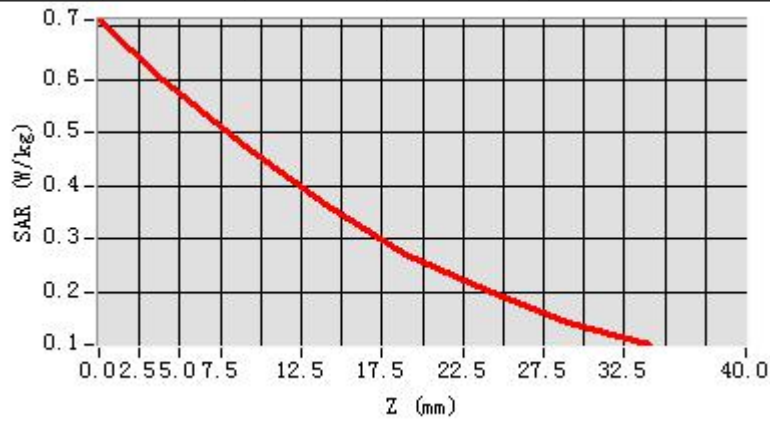
SAR 10g (W/Kg)

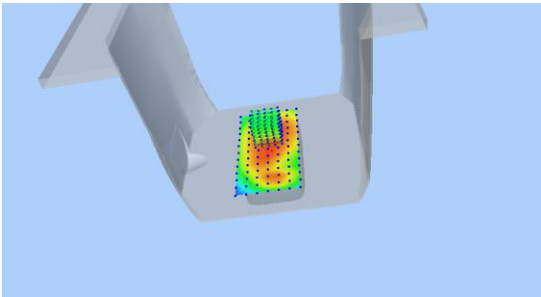
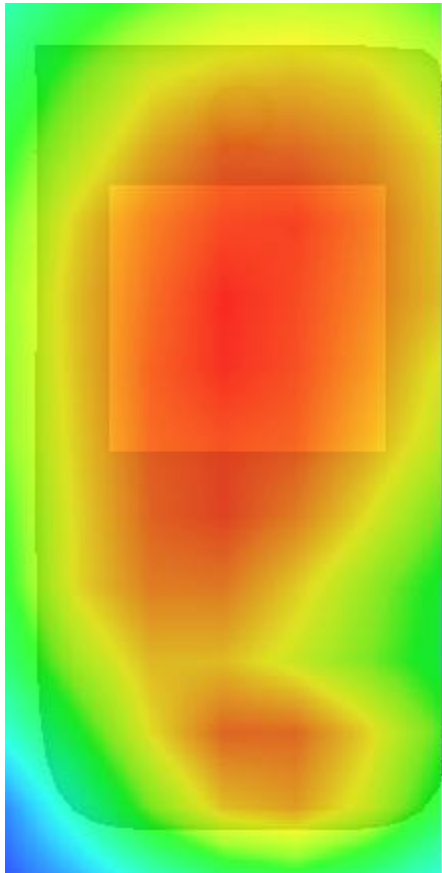
0.339415

SAR 1g (W/Kg)

0.590435

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7121	0.5990	0.4731	0.3639	0.2719	0.2010	0.1417



3D screen shot	Hot spot position
	

MEASUREMENT 79

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 12 minutes 28 seconds

A. Experimental conditions.

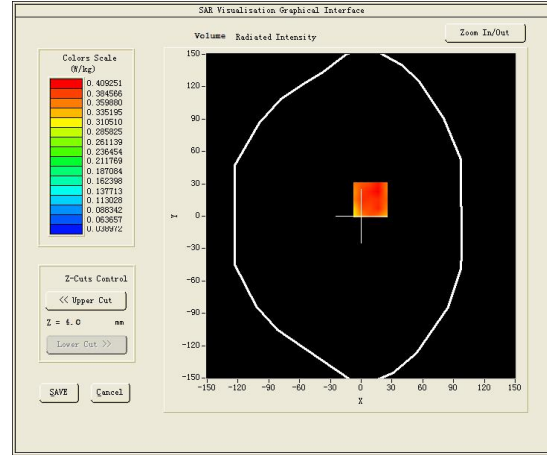
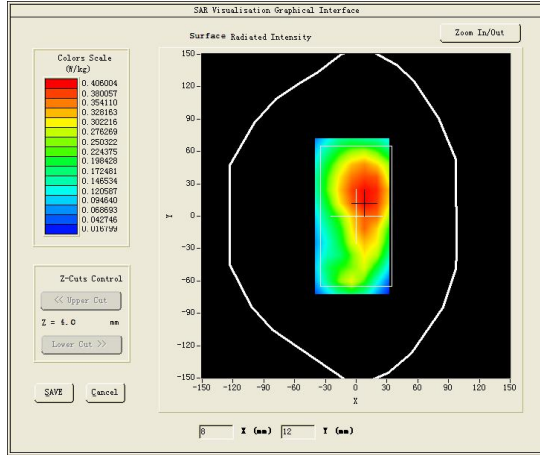
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	53.395020
Relative permittivity (imaginary part)	21.690760
Conductivity (S/m)	1.008138
Variation (%)	-1.500000

SURFACE SAR

VOLUME SAR

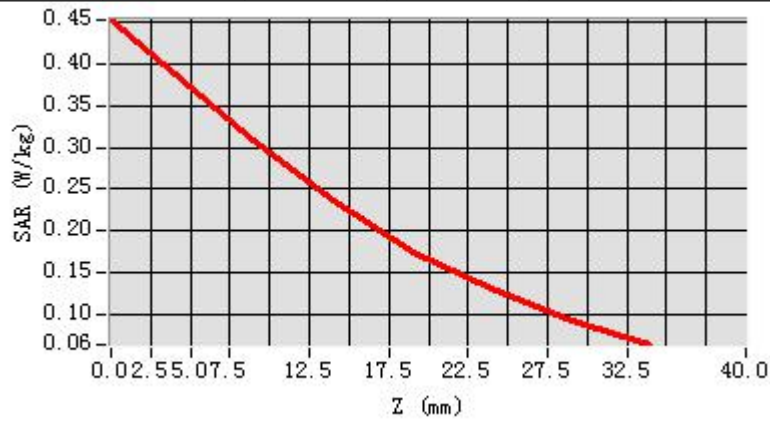


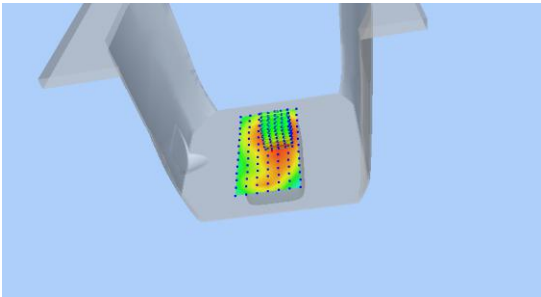
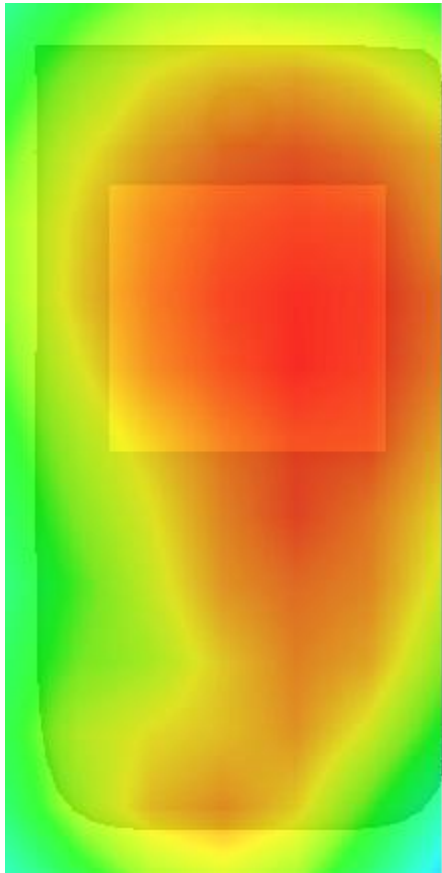
Maximum location: X=9.00, Y=15.00

SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.186321
SAR 1g (W/Kg)	0.312095

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4529	0.3877	0.3079	0.2353	0.1739	0.1315	0.0922



3D screen shot	Hot spot position
	

MEASUREMENT 80

Rear Side-high

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 26 seconds

A. Experimental conditions.

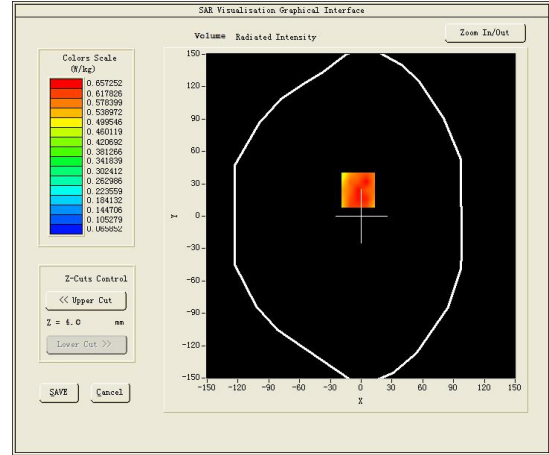
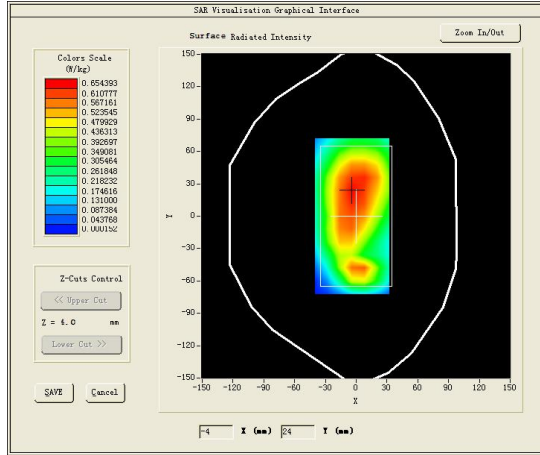
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Frequency (MHz)	848.799988
Relative permittivity (real part)	53.204479
Relative permittivity (imaginary part)	21.666559
Conductivity (S/m)	1.021699
Variation (%)	-0.290000

SURFACE SAR

VOLUME SAR

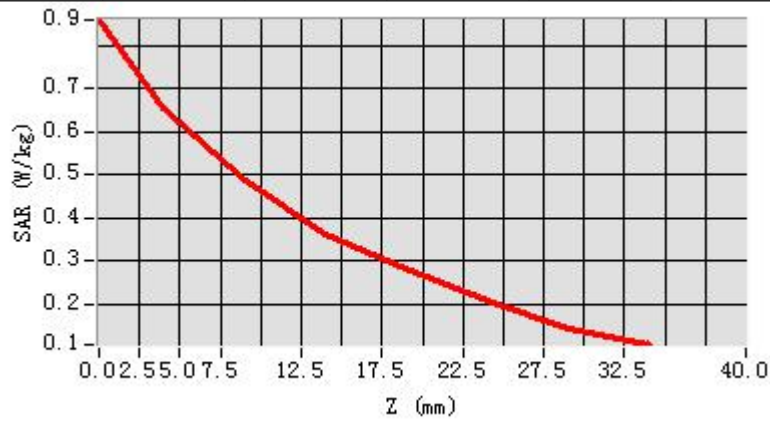


Maximum location: X=-3.00, Y=24.00

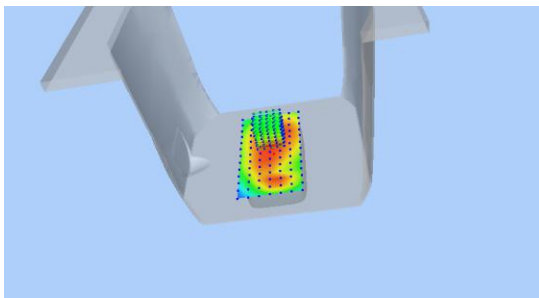
SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.265132
SAR 1g (W/Kg)	0.504201

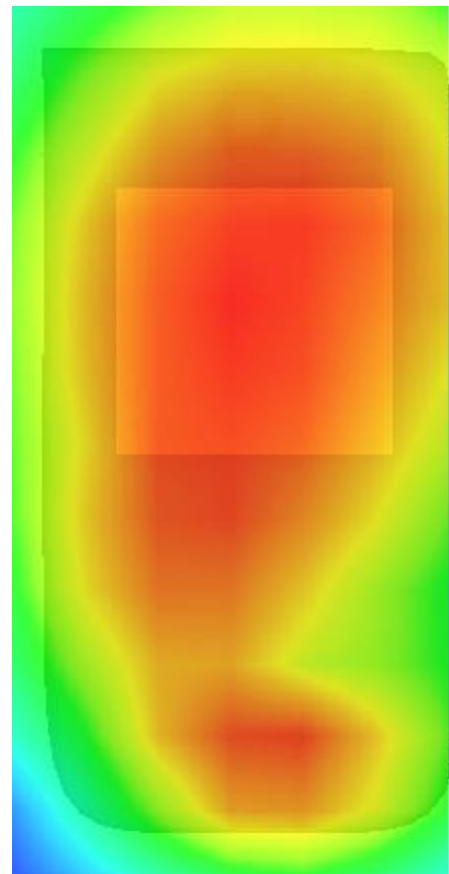
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8585	0.6531	0.4865	0.3620	0.2848	0.2069	0.1433



3D screen shot



Hot spot position



MEASUREMENT 81

Rear Side-low

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 29 seconds

A. Experimental conditions.

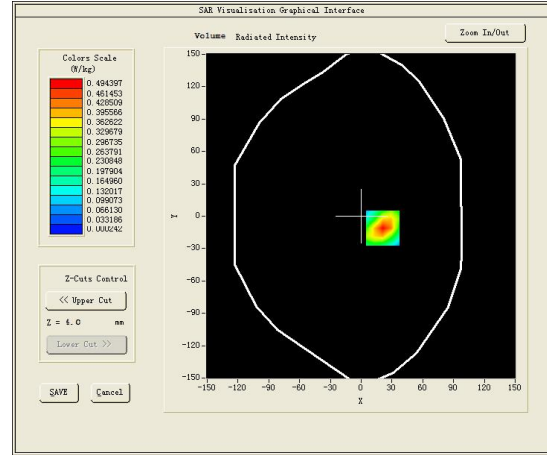
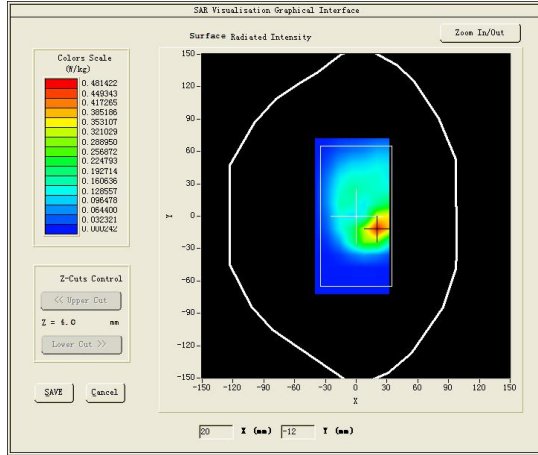
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Low</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1850.199951
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.628520
Conductivity (S/m)	1.400860
Variation (%)	1.700000

SURFACE SAR

VOLUME SAR

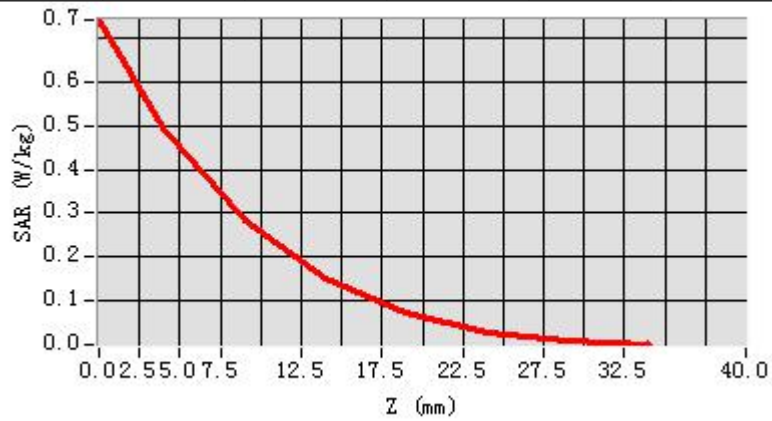


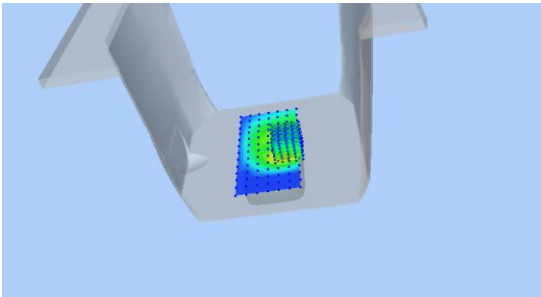
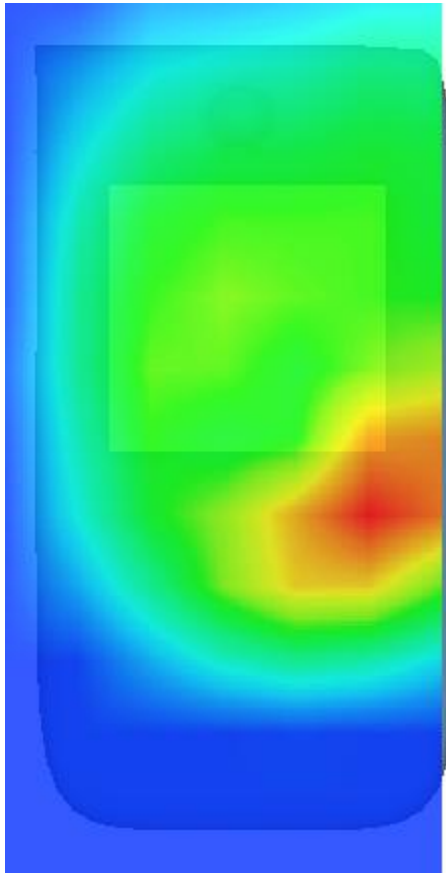
Maximum location: X=21.00, Y=-11.00

SAR Peak: 0.74 W/kg

SAR 10g (W/Kg)	0.163085
SAR 1g (W/Kg)	0.404257

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7404	0.4944	0.2819	0.1511	0.0726	0.0300	0.0103



3D screen shot	Hot spot position
	

MEASUREMENT 82

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 13 minutes 34 seconds

A. Experimental conditions.

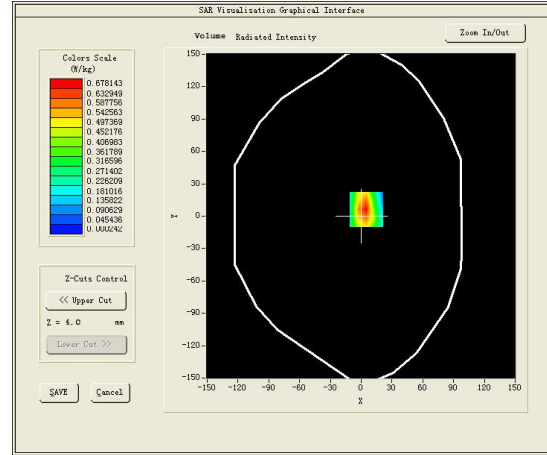
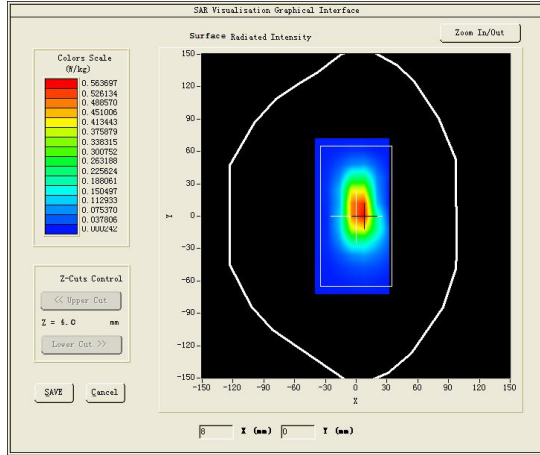
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	1.080000

SURFACE SAR

VOLUME SAR

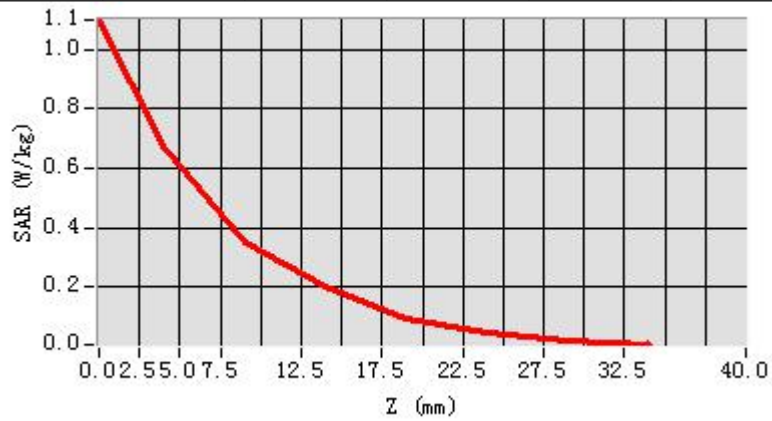


Maximum location: X=5.00, Y=6.00

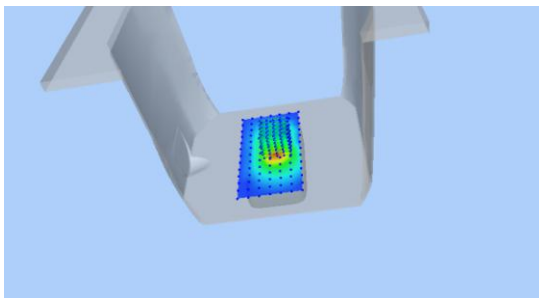
SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)	0.117389
SAR 1g (W/Kg)	0.355333

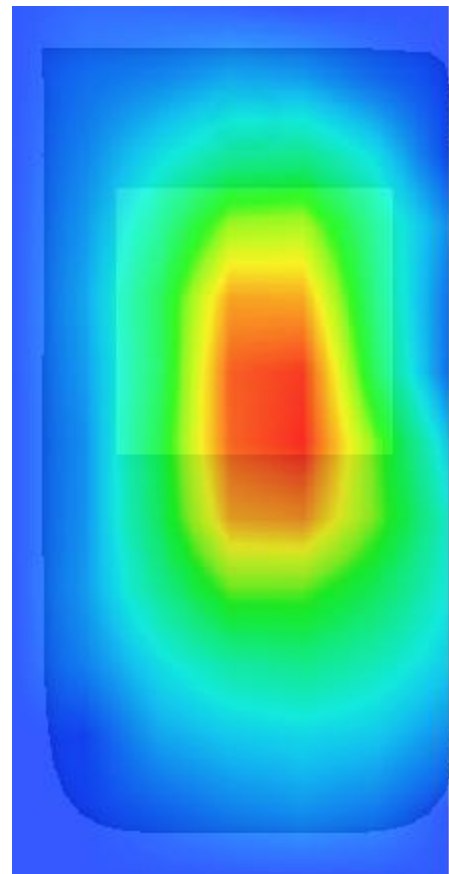
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1004	0.6781	0.3504	0.2005	0.0946	0.0486	0.0212



3D screen shot



Hot spot position



MEASUREMENT 83

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 10 minutes 48 seconds

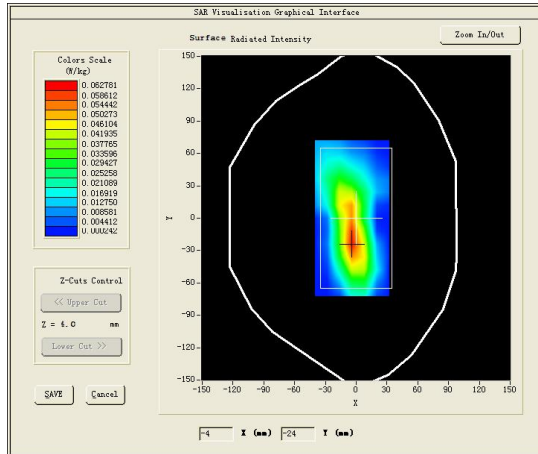
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

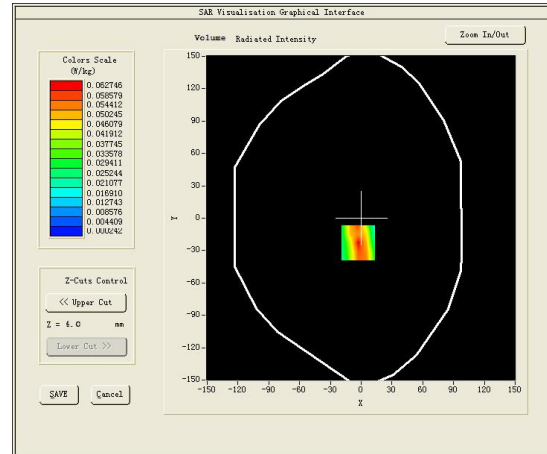
B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	2.700000

SURFACE SAR



VOLUME SAR

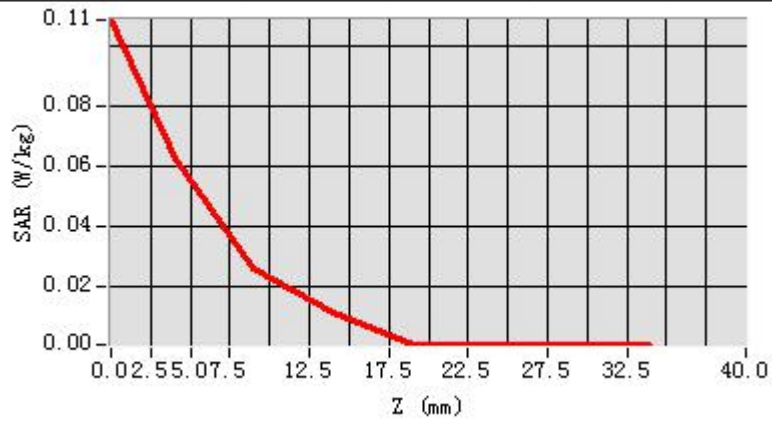


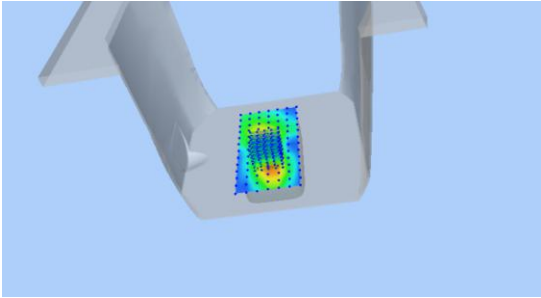
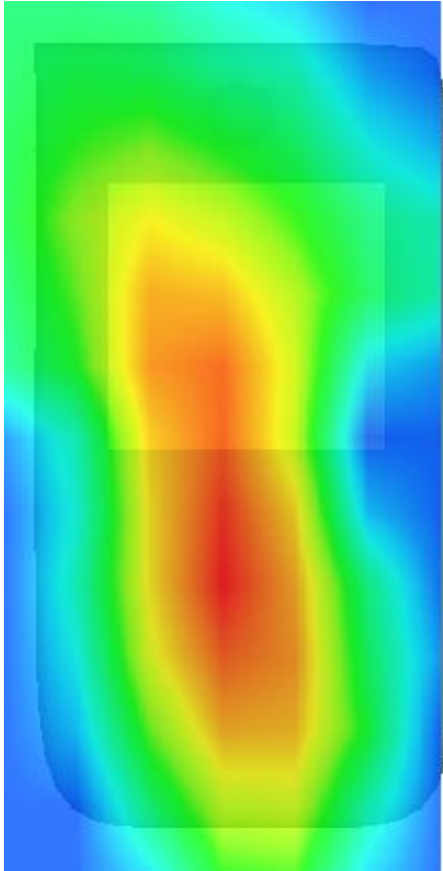
Maximum location: X=-3.00, Y=-23.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.026507
SAR 1g (W/Kg)	0.059354

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1090	0.0627	0.0260	0.0110	0.0002	0.0002	0.0002



3D screen shot	Hot spot position
	

MEASUREMENT 84

Rear Side-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 29 seconds

A. Experimental conditions.

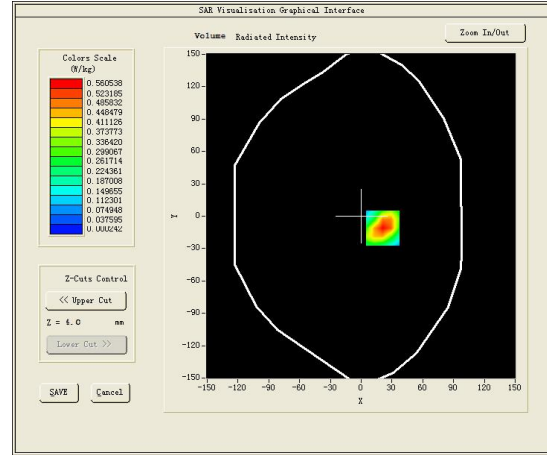
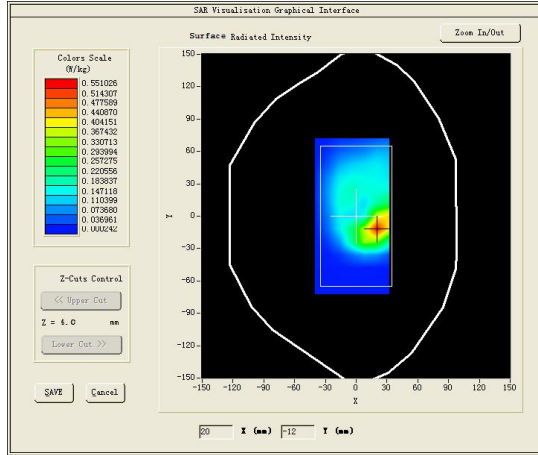
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	1.200000

SURFACE SAR

VOLUME SAR

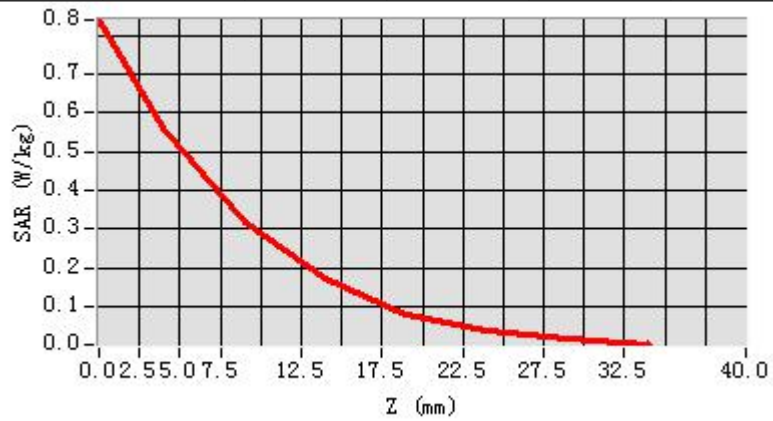


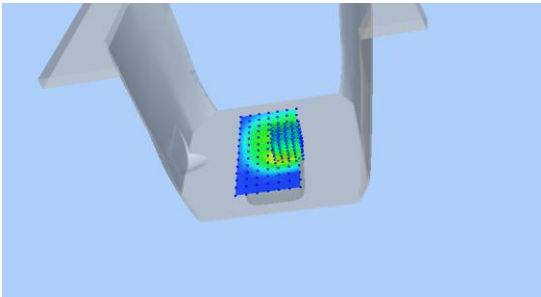
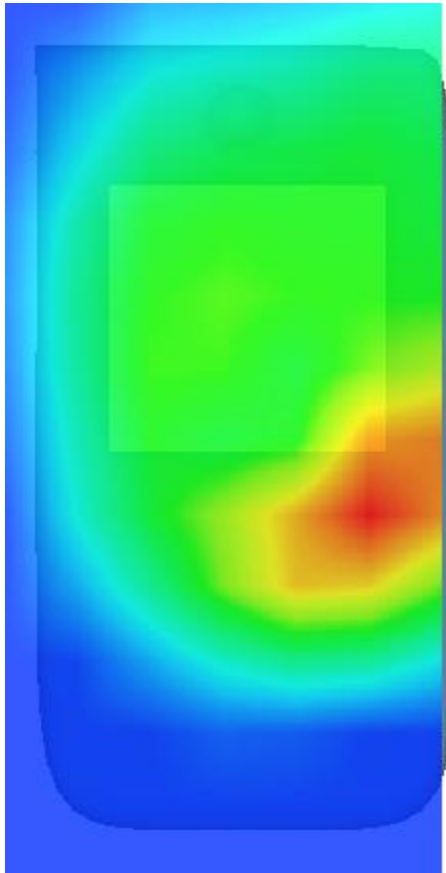
Maximum location: X=21.00, Y=-11.00

SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.268702
SAR 1g (W/Kg)	0.500630

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8399	0.5605	0.3183	0.1736	0.0819	0.0385	0.0149



3D screen shot	Hot spot position
	

MEASUREMENT 85

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 0 seconds

A. Experimental conditions.

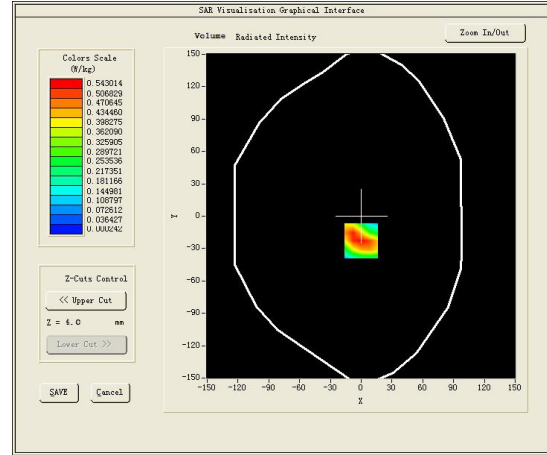
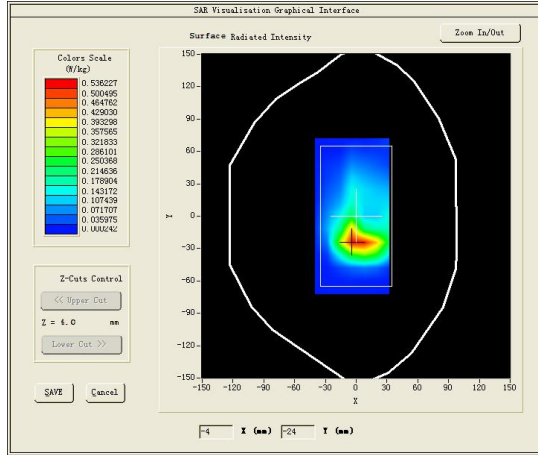
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	0.010000

SURFACE SAR

VOLUME SAR

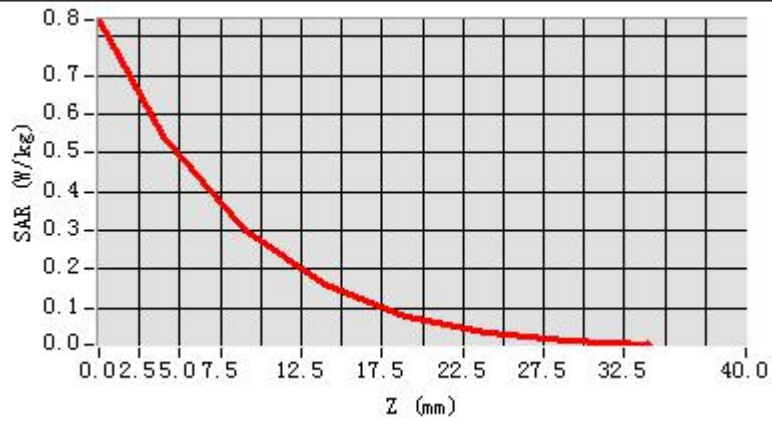


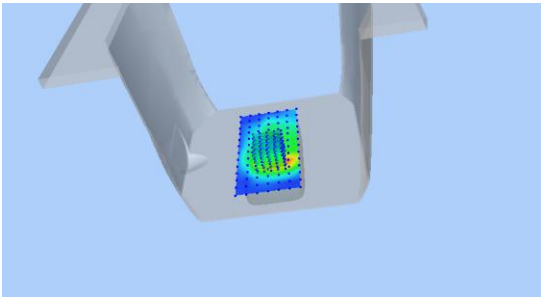
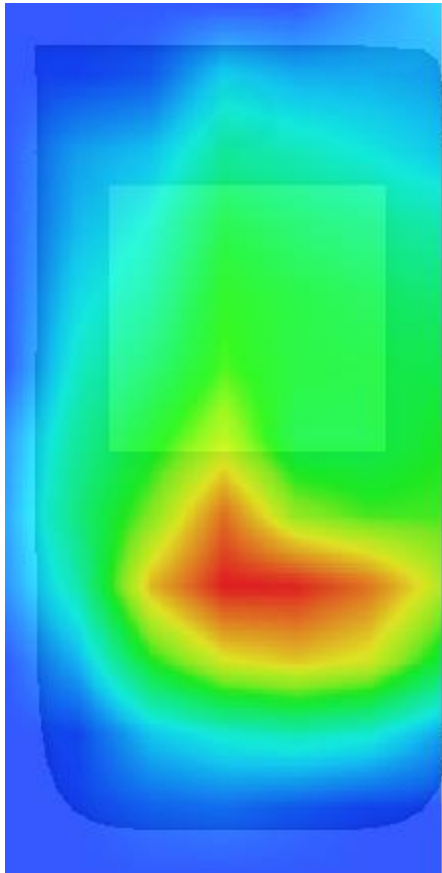
Maximum location: X=0.00, Y=-23.00

SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.092372
SAR 1g (W/Kg)	0.310733

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8422	0.5430	0.2984	0.1628	0.0796	0.0374	0.0157



3D screen shot	Hot spot position
	

MEASUREMENT 86

Rear Side-high

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 27 seconds

A. Experimental conditions.

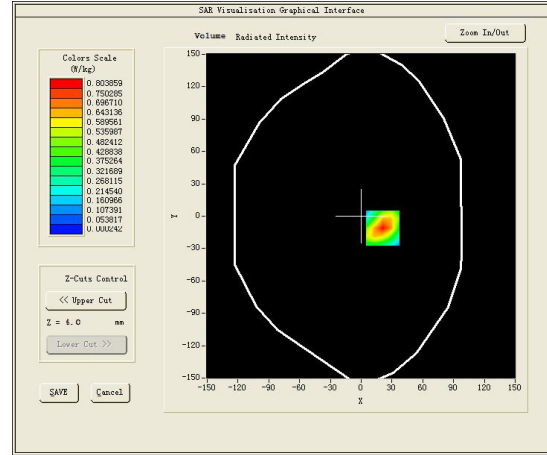
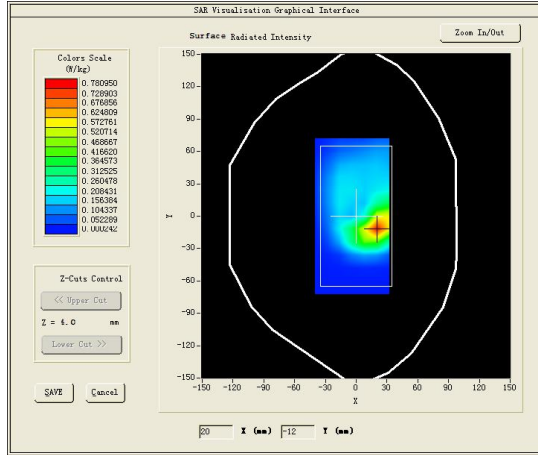
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1909.800049
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.195320
Conductivity (S/m)	1.400023
Variation (%)	2.200000

SURFACE SAR

VOLUME SAR

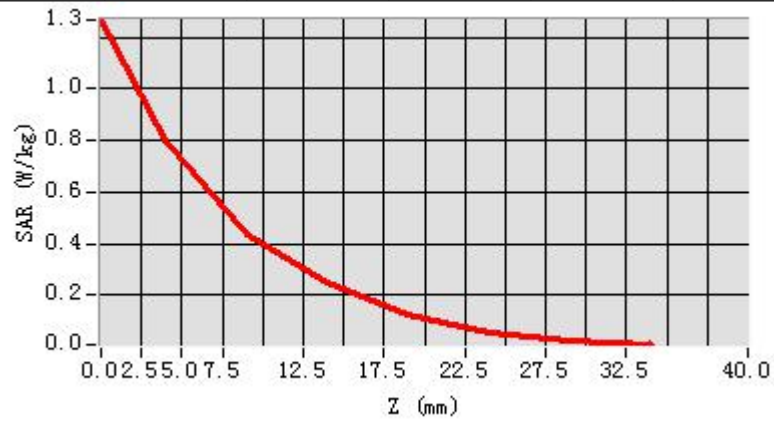


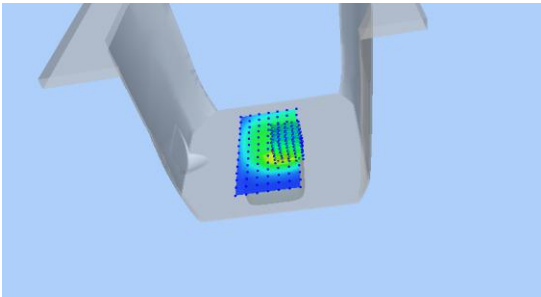
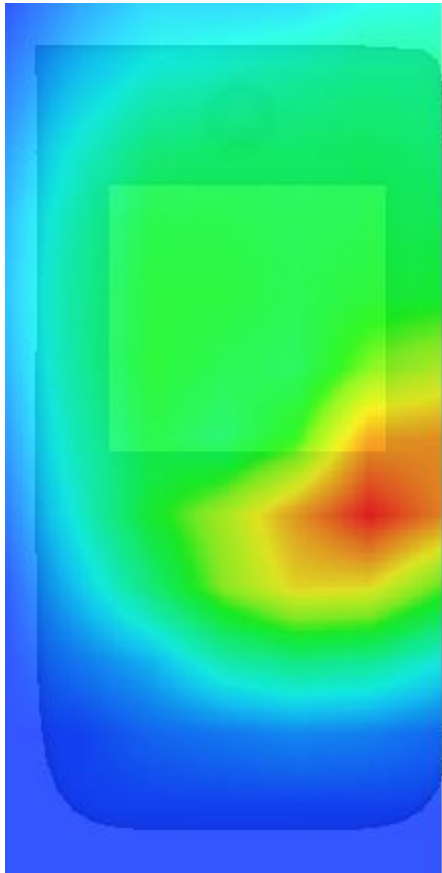
Maximum location: X=21.00, Y=-11.00

SAR Peak: 1.26 W/kg

SAR 10g (W/Kg)	0.346102
SAR 1g (W/Kg)	0.660496

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.2660	0.8039	0.4345	0.2463	0.1224	0.0576	0.0263



3D screen shot	Hot spot position
	

MEASUREMENT 87

Towards-phantom-low

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 53 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Low</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

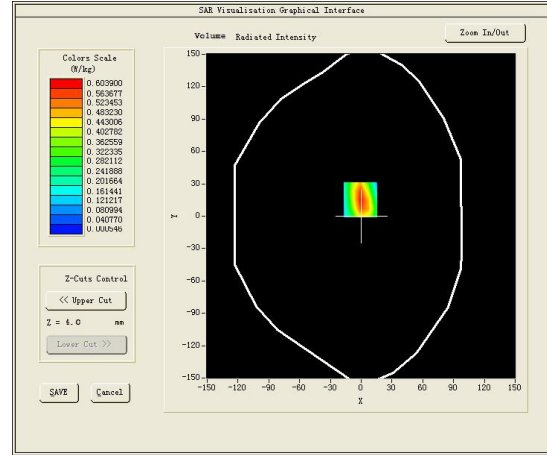
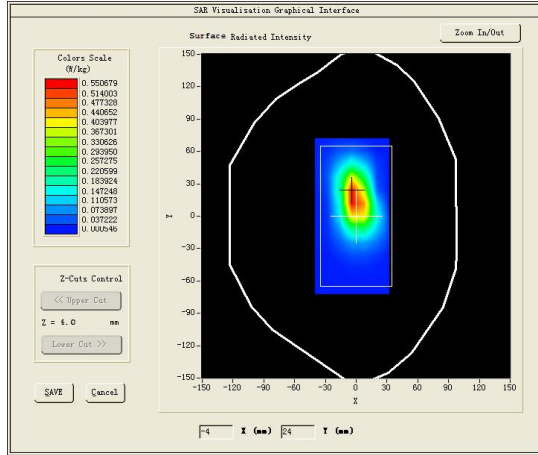
B. SAR Measurement Results

Lower Band SAR (Channel 9262):

Frequency (MHz)	1852.400024
Relative permittivity (real part)	52.275101
Relative permittivity (imaginary part)	14.512000
Conductivity (S/m)	1.493446
Variation (%)	0.660000

SURFACE SAR

VOLUME SAR

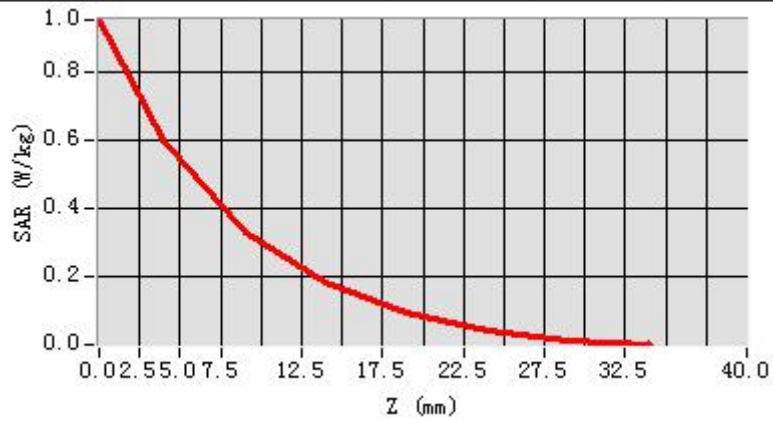


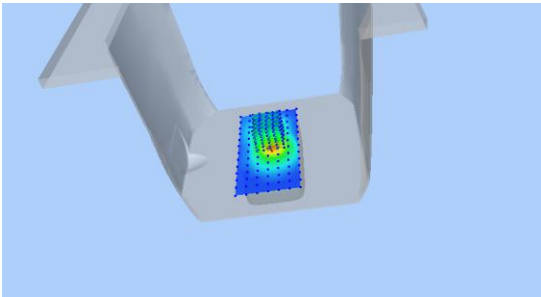
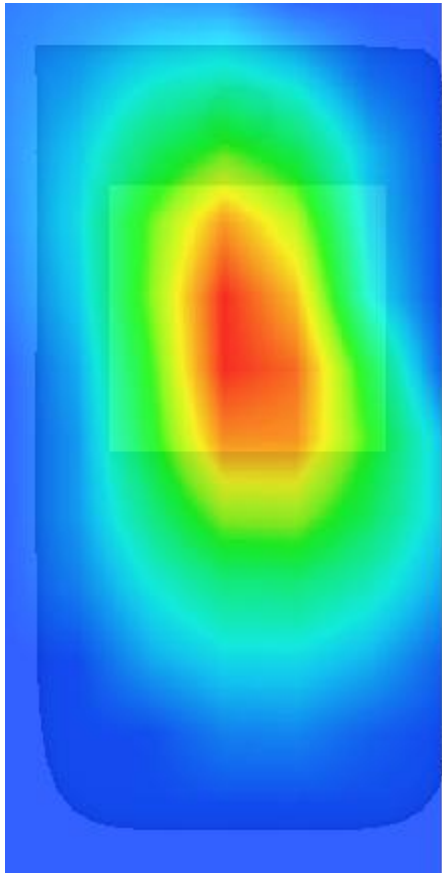
Maximum location: X=-1.00, Y=15.00

SAR Peak: 0.95 W/kg

SAR 10g (W/Kg)	0.285700
SAR 1g (W/Kg)	0.556058

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9550	0.6039	0.3304	0.1822	0.0957	0.0456	0.0148



3D screen shot	Hot spot position
	

MEASUREMENT 88

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 11 minutes 16 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

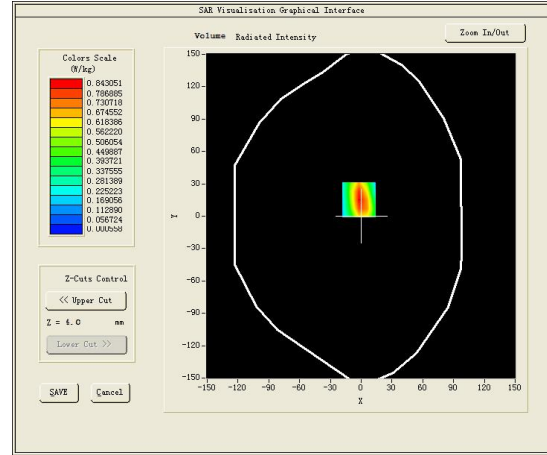
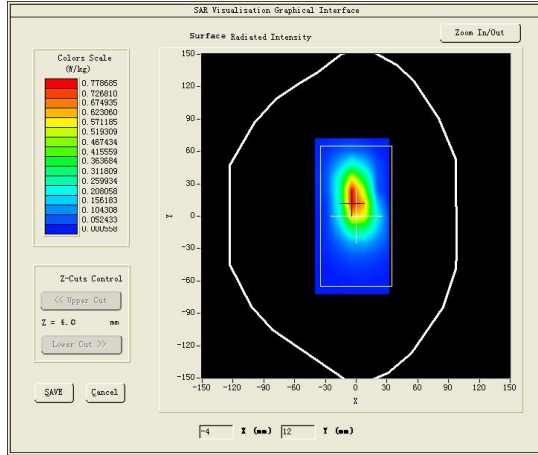
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	0.230000

SURFACE SAR

VOLUME SAR

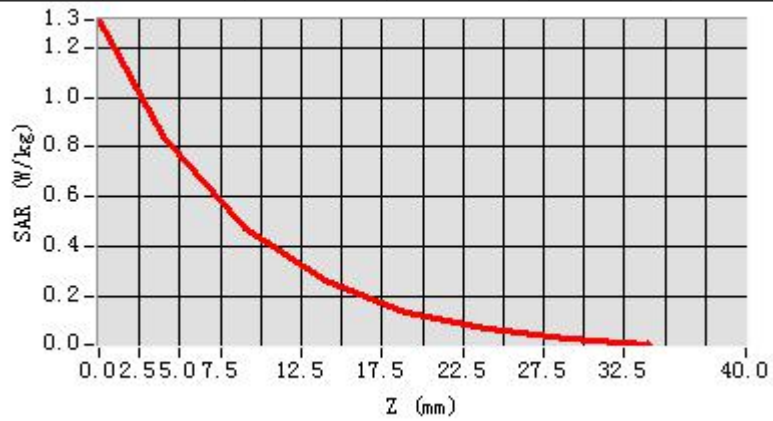


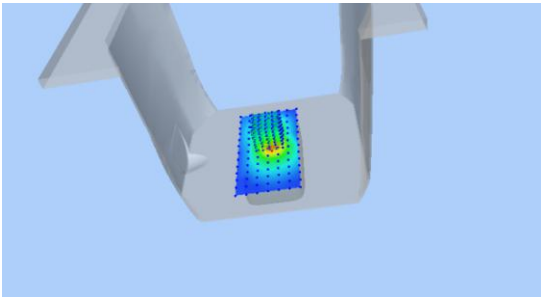
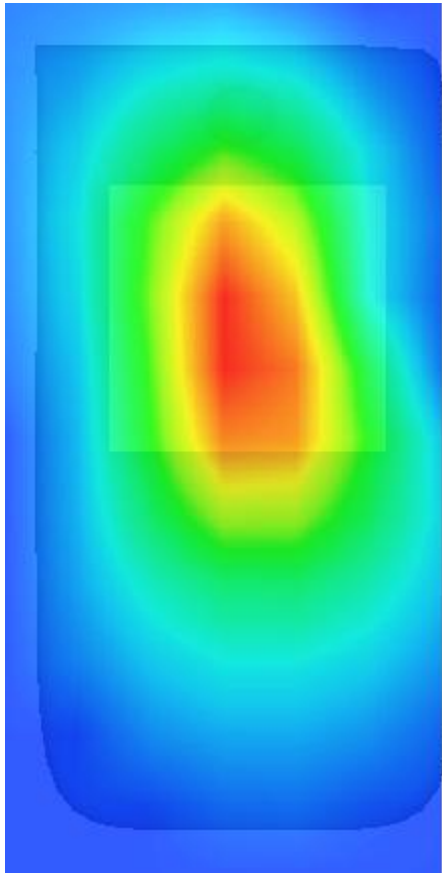
Maximum location: X=-2.00, Y=15.00

SAR Peak: 1.33 W/kg

SAR 10g (W/Kg)	0.257918
SAR 1g (W/Kg)	0.505695

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3090	0.8431	0.4708	0.2625	0.1402	0.0715	0.0302



3D screen shot	Hot spot position
	

MEASUREMENT 89

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 6 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

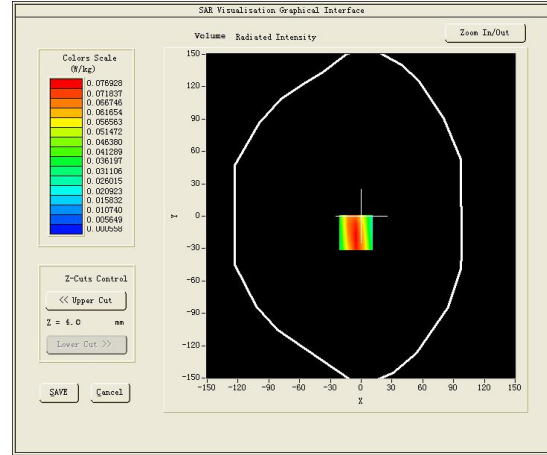
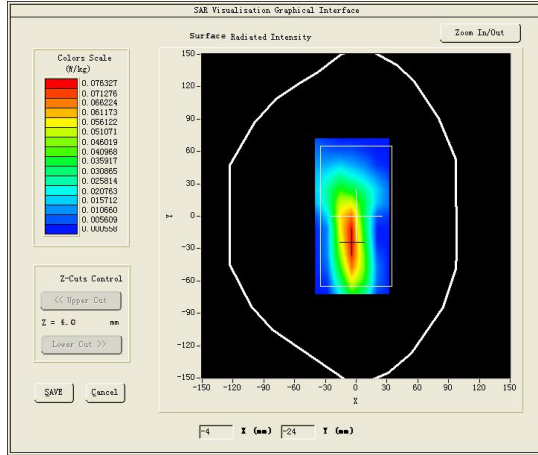
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	2.020000

SURFACE SAR

VOLUME SAR

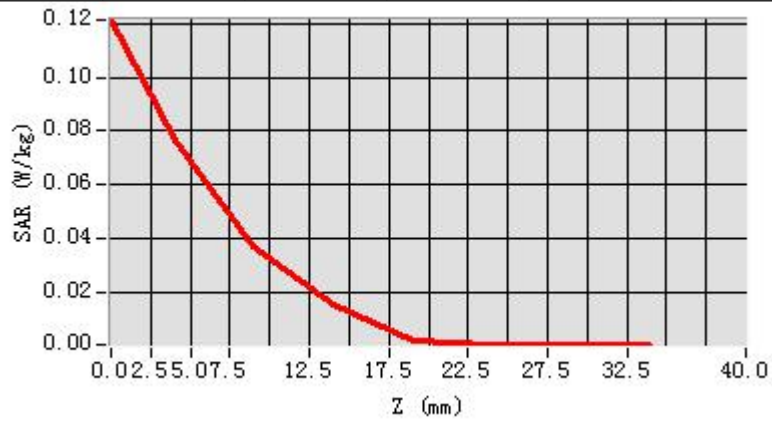


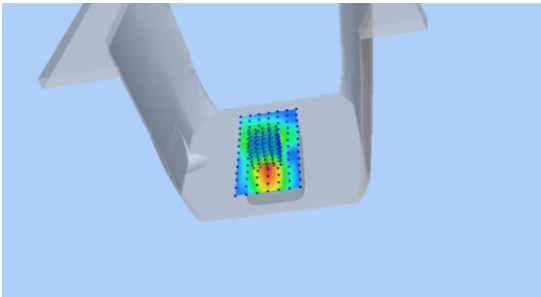
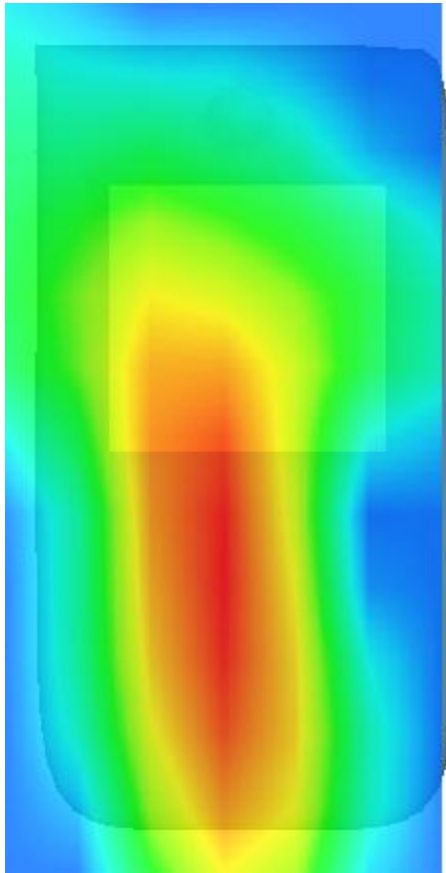
Maximum location: X=-5.00, Y=-15.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.134905
SAR 1g (W/Kg)	0.171844

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1213	0.0768	0.0372	0.0157	0.0022	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 90

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 11 minutes 59 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

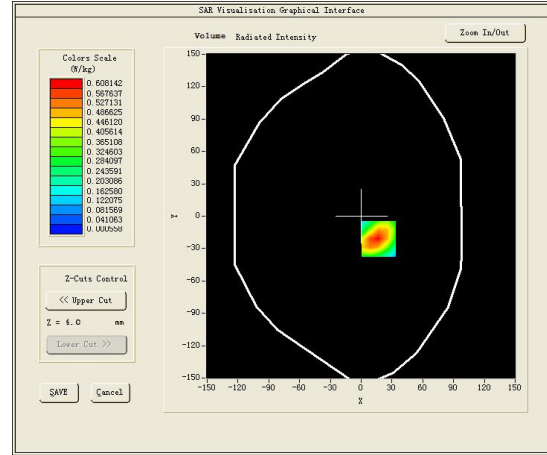
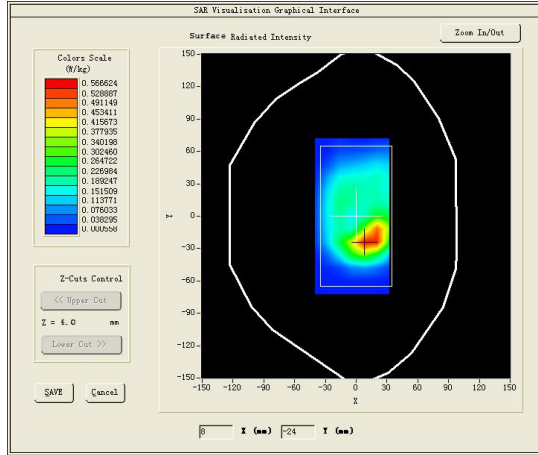
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	1.600000

SURFACE SAR

VOLUME SAR

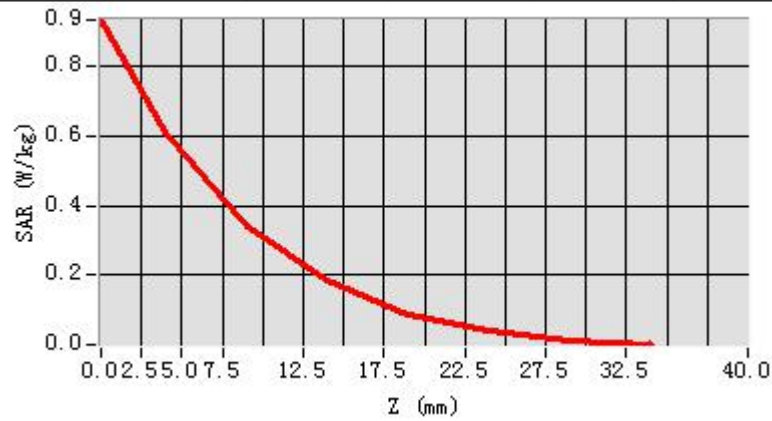


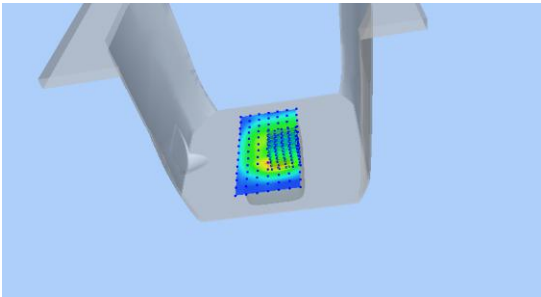
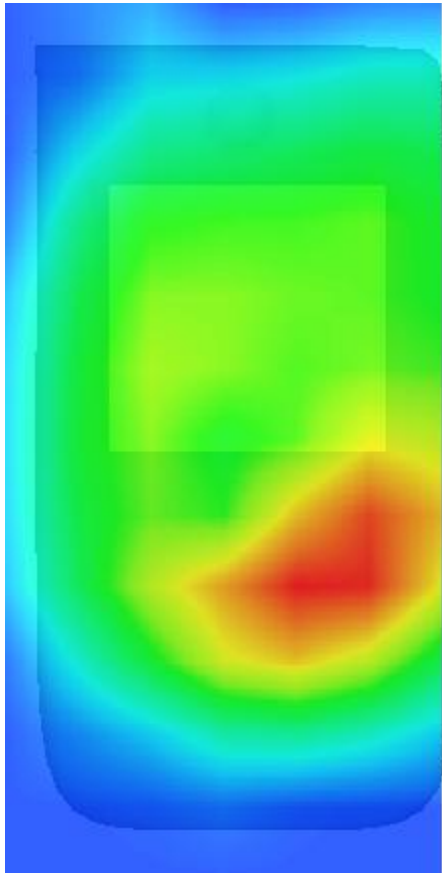
Maximum location: X=17.00, Y=-21.00

SAR Peak: 0.95 W/kg

SAR 10g (W/Kg)	0.204069
SAR 1g (W/Kg)	0.414214

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9317	0.6081	0.3375	0.1845	0.0889	0.0396	0.0159



3D screen shot	Hot spot position
	

MEASUREMENT 91

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 32 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

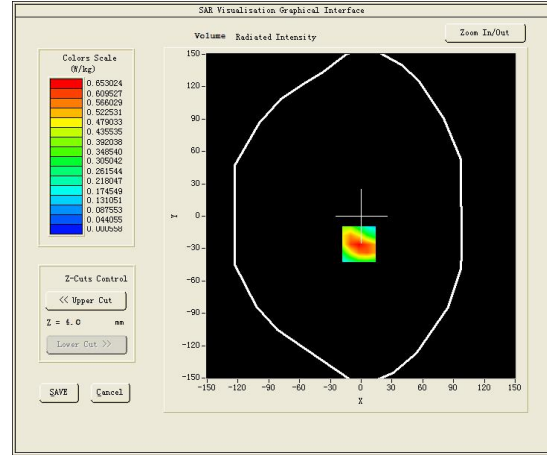
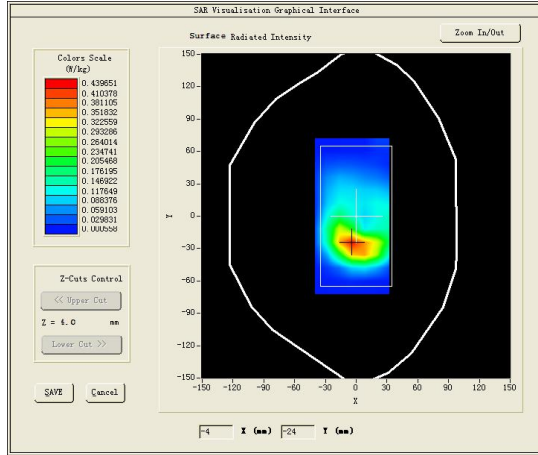
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	2.000000

SURFACE SAR

VOLUME SAR

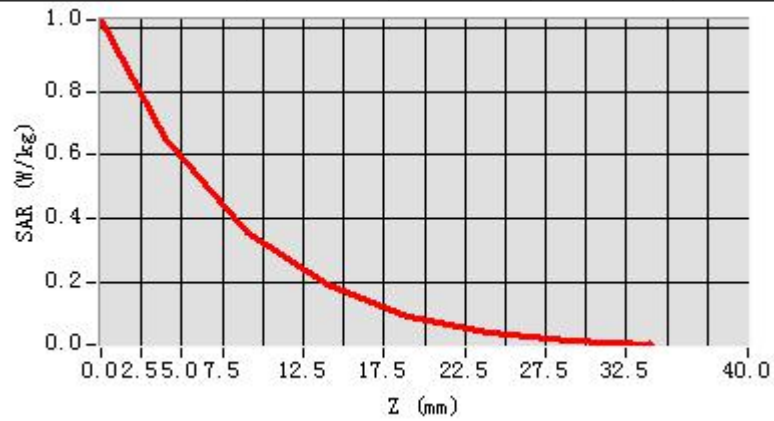


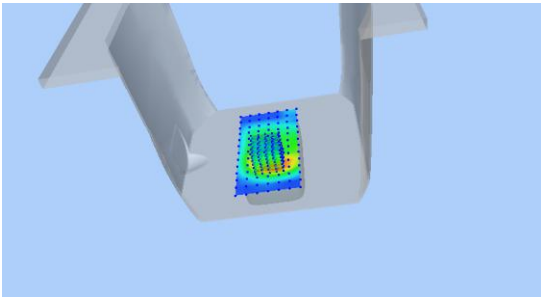
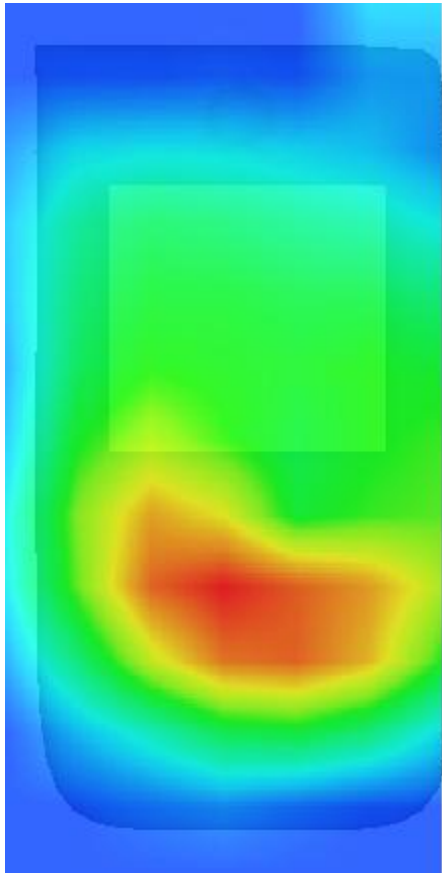
Maximum location: X=-2.00, Y=-26.00

SAR Peak: 1.04 W/kg

SAR 10g (W/Kg)	0.310340
SAR 1g (W/Kg)	0.556220

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0238	0.6530	0.3554	0.1907	0.0946	0.0428	0.0163



3D screen shot	Hot spot position
	

MEASUREMENT 92

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 46 seconds

A. Experimental conditions.

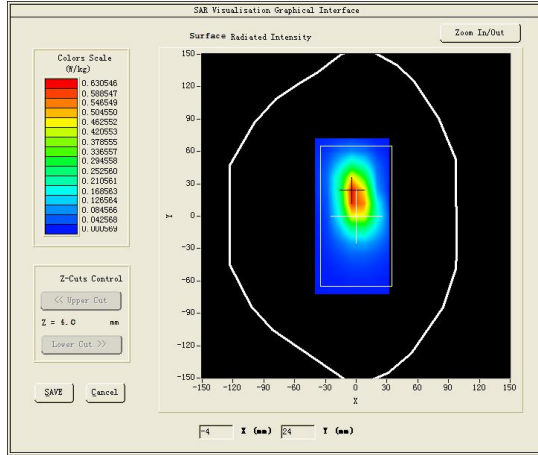
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

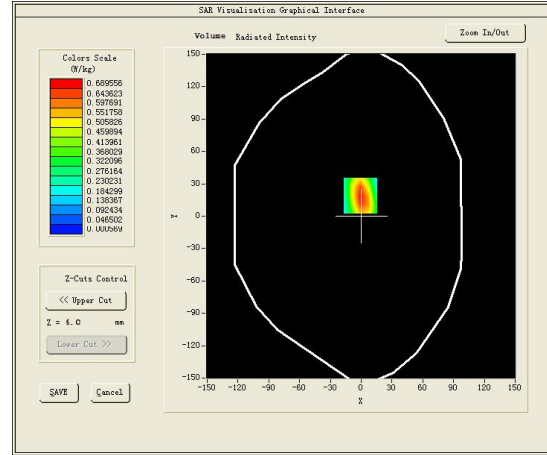
Higher Band SAR (Channel 9538):

Frequency (MHz)	1907.599976
Relative permittivity (real part)	52.233501
Relative permittivity (imaginary part)	14.683700
Conductivity (S/m)	1.556146
Variation (%)	0.100000

SURFACE SAR



VOLUME SAR

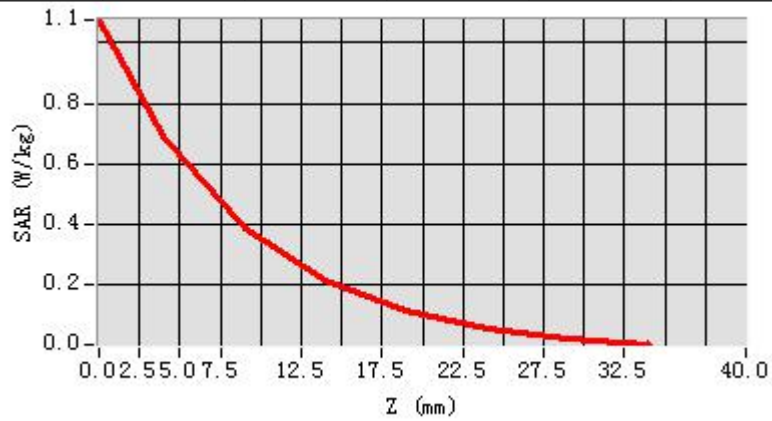


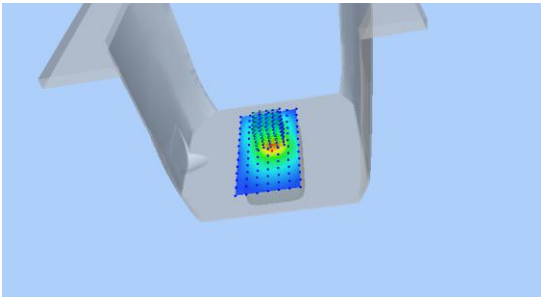
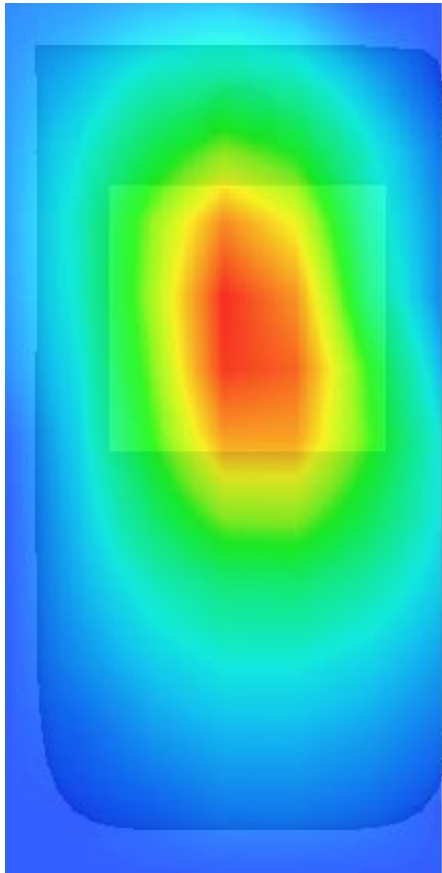
Maximum location: X=-1.00, Y=19.00

SAR Peak: 1.08 W/kg

SAR 10g (W/Kg)	0.320404
SAR 1g (W/Kg)	0.601891

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0750	0.6896	0.3838	0.2127	0.1132	0.0545	0.0198



3D screen shot	Hot spot position
	

MEASUREMENT 93

Towards-phantom-low

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 50 seconds

A. Experimental conditions.

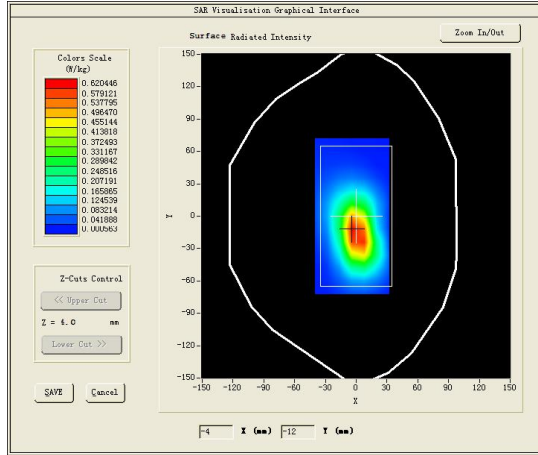
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Low</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

B. SAR Measurement Results

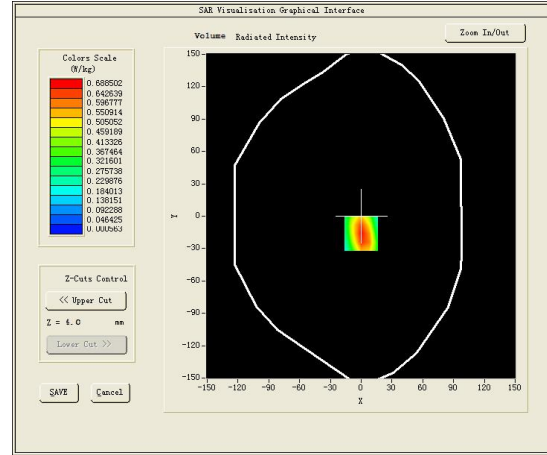
Lower Band SAR (Channel 1312):

Frequency (MHz)	1712.400000
Relative permittivity (real part)	53.459099
Relative permittivity (imaginary part)	14.667500
Conductivity (S/m)	1.395042
Variation (%)	-0.820000

SURFACE SAR



VOLUME SAR

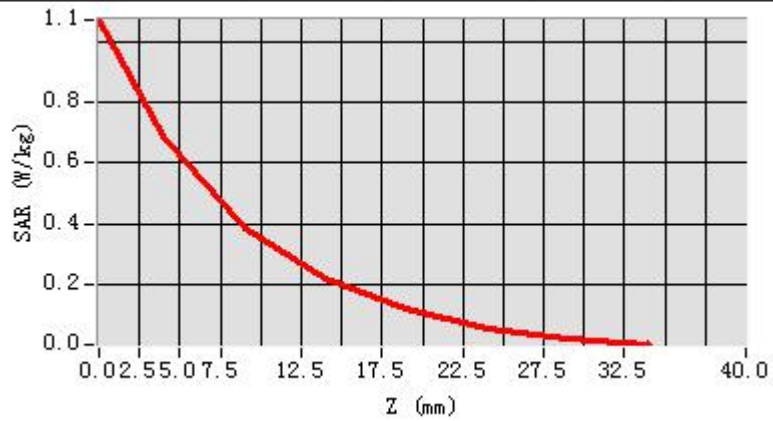


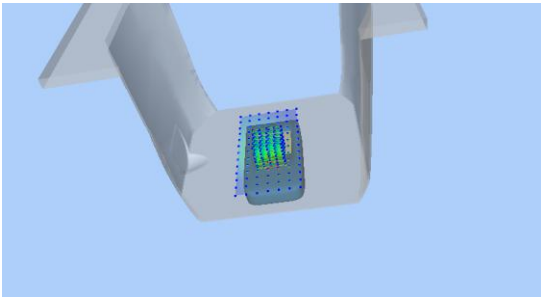
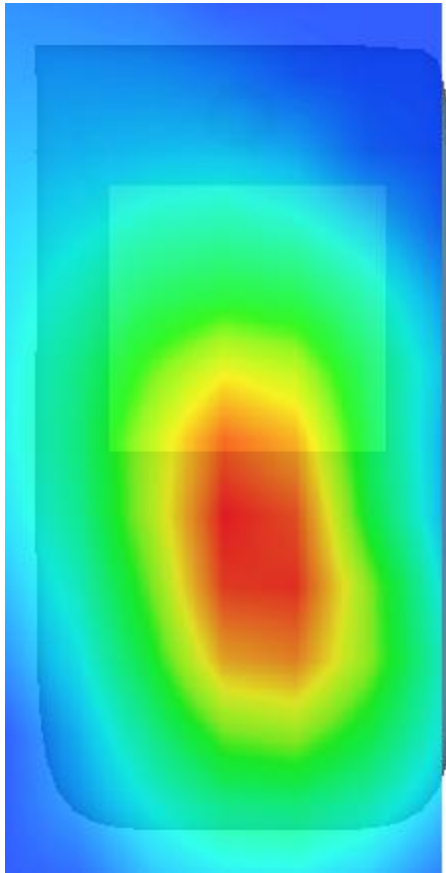
Maximum location: X=0.00, Y=-16.00

SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)	0.301836
SAR 1g (W/Kg)	0.515385

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0713	0.6885	0.3858	0.2194	0.1193	0.0589	0.0226



3D screen shot	Hot spot position
	

MEASUREMENT 94

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 52 seconds

A. Experimental conditions.

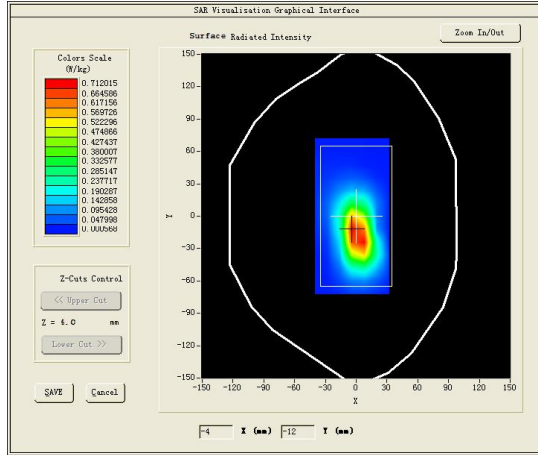
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

B. SAR Measurement Results

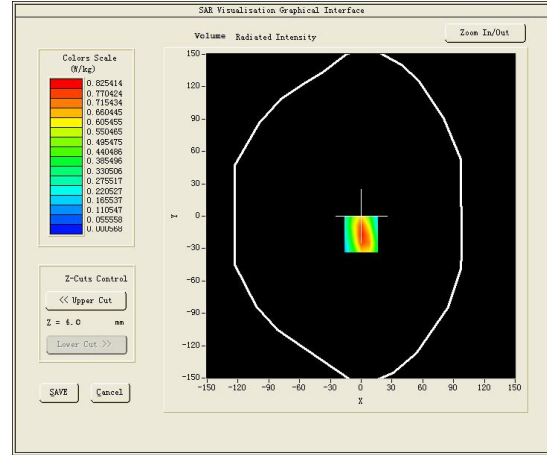
Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.297798
Relative permittivity (imaginary part)	14.675700
Conductivity (S/m)	1.412128
Variation (%)	1.080000

SURFACE SAR



VOLUME SAR

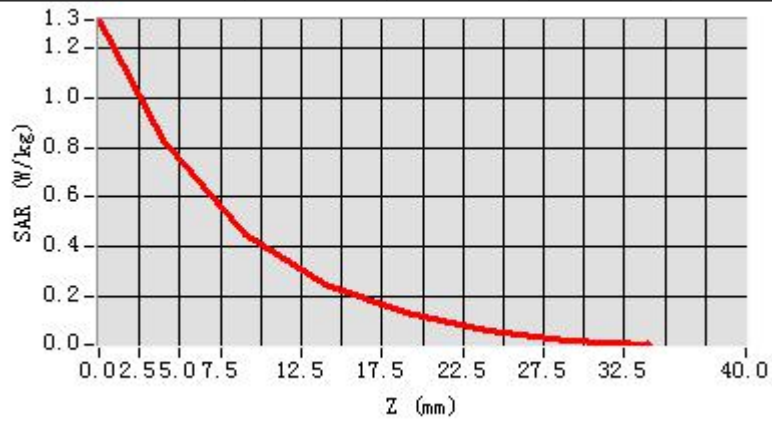


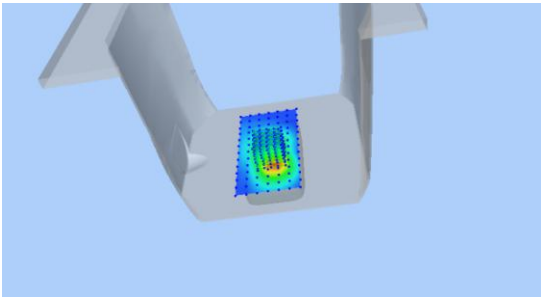
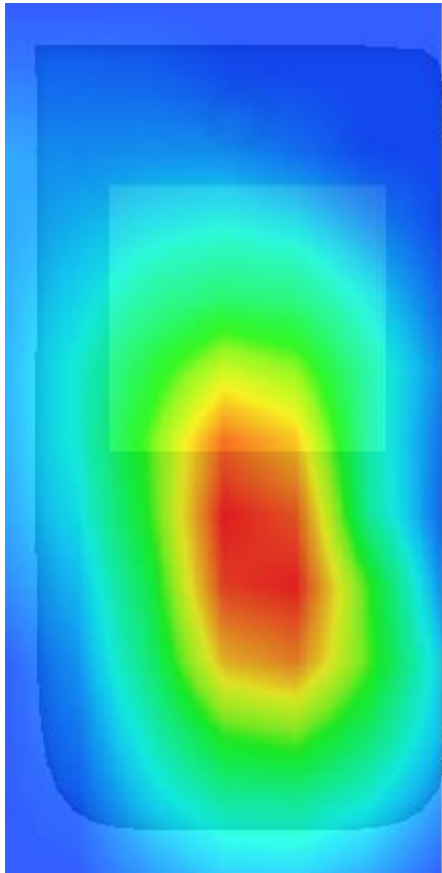
Maximum location: X=0.00, Y=-17.00

SAR Peak: 1.40 W/kg

SAR 10g (W/Kg)	0.191963
SAR 1g (W/Kg)	0.322750

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3150	0.8254	0.4465	0.2454	0.1299	0.0625	0.0232



3D screen shot	Hot spot position
	

MEASUREMENT 95

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 8 seconds

A. Experimental conditions.

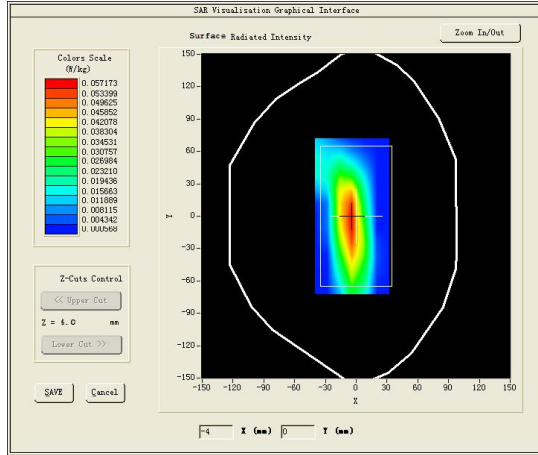
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

B. SAR Measurement Results

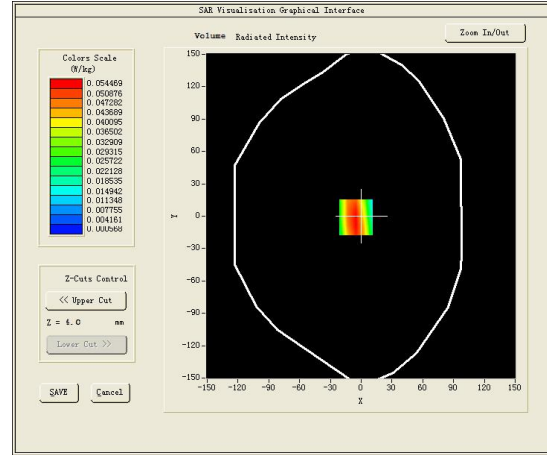
Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.297798
Relative permittivity (imaginary part)	14.675700
Conductivity (S/m)	1.412128
Variation (%)	-1.060000

SURFACE SAR



VOLUME SAR

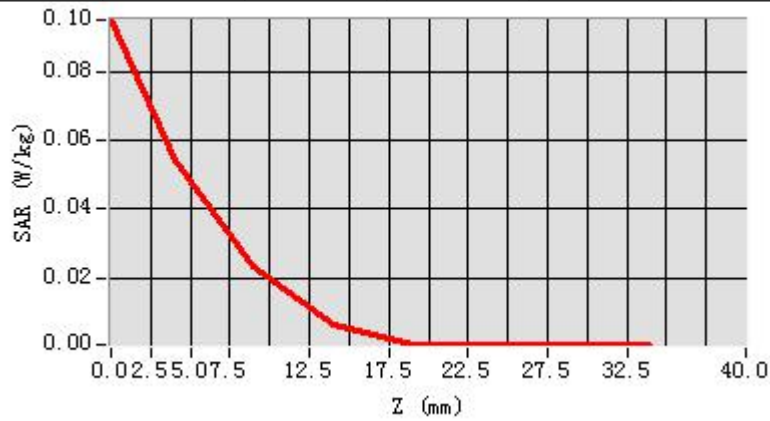


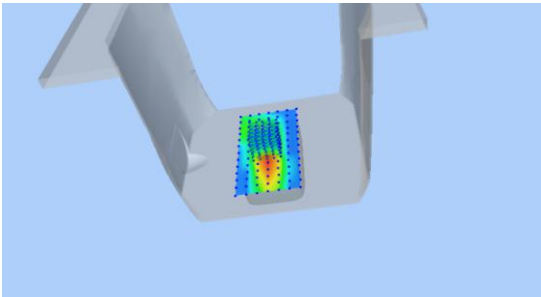
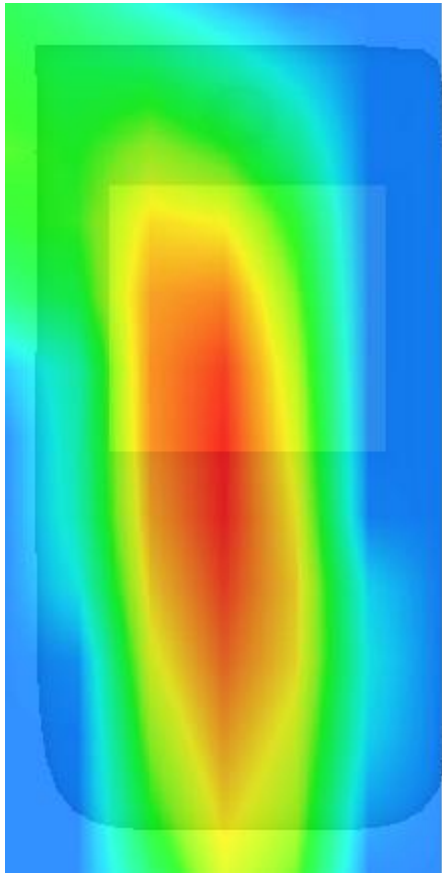
Maximum location: X=-5.00, Y=-1.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.024766
SAR 1g (W/Kg)	0.054212

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0951	0.0545	0.0233	0.0062	0.0006	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 96

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 12 minutes 1 seconds

A. Experimental conditions.

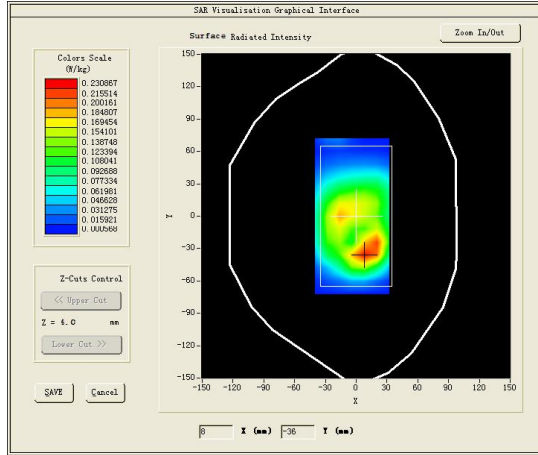
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

B. SAR Measurement Results

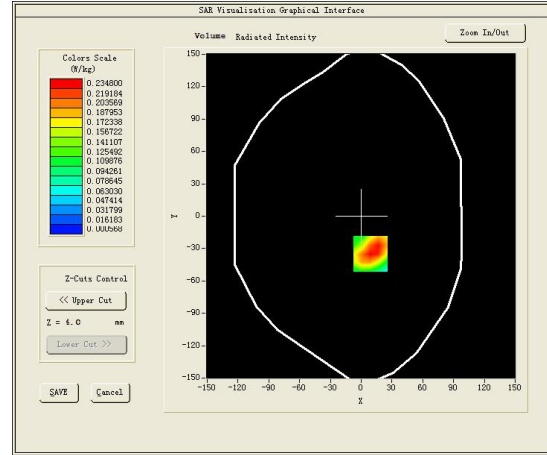
Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.297798
Relative permittivity (imaginary part)	14.675700
Conductivity (S/m)	1.412128
Variation (%)	1.440000

SURFACE SAR



VOLUME SAR

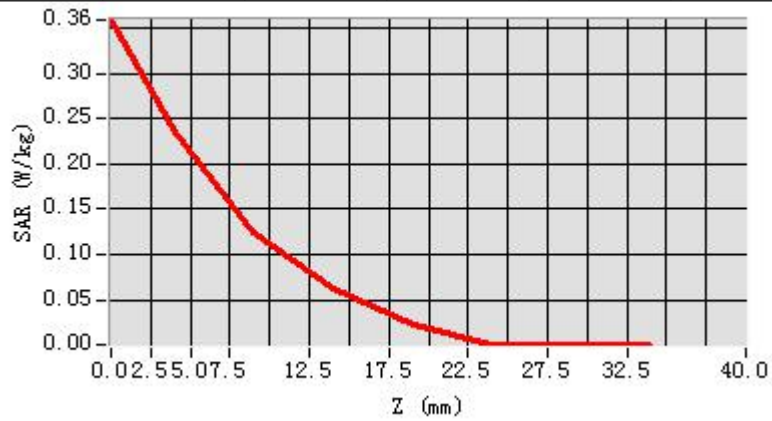


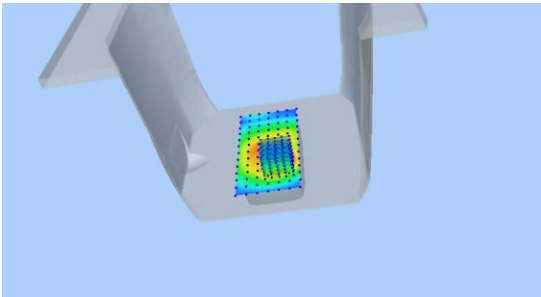
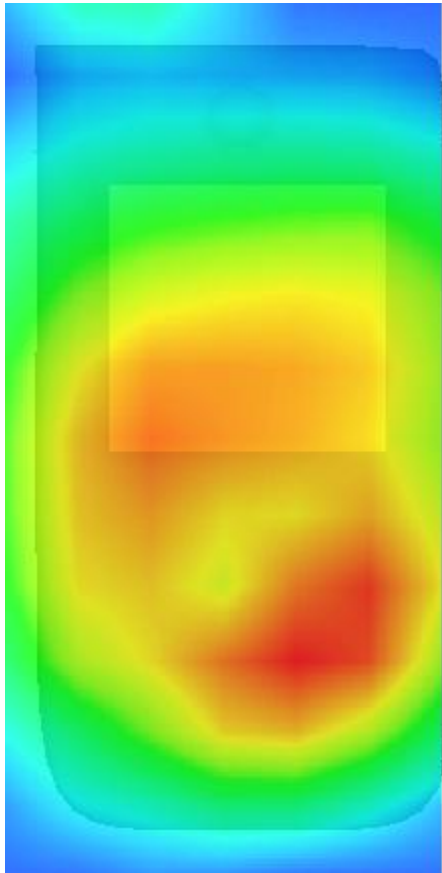
Maximum location: X=9.00, Y=-35.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.100710
SAR 1g (W/Kg)	0.220360

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3588	0.2348	0.1251	0.0628	0.0231	0.0008	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 97

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 19 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

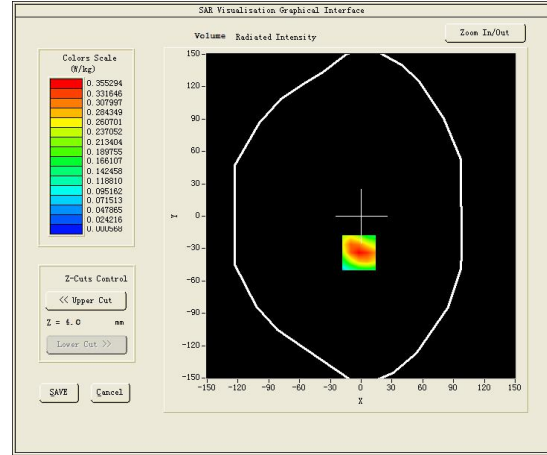
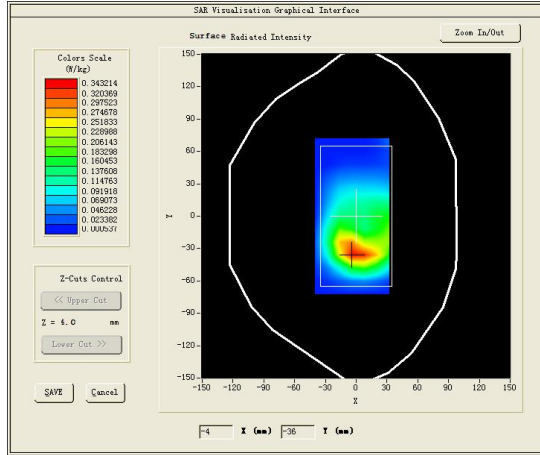
B. SAR Measurement Results

Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.297798
Relative permittivity (imaginary part)	14.675700
Conductivity (S/m)	1.412128
Variation (%)	0.900000

SURFACE SAR

VOLUME SAR

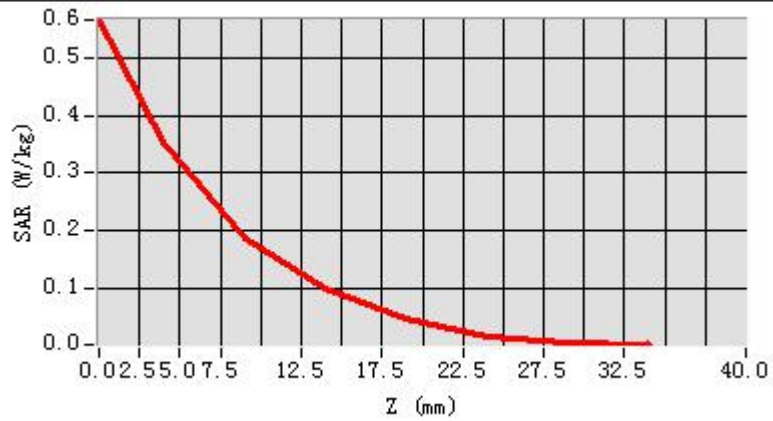


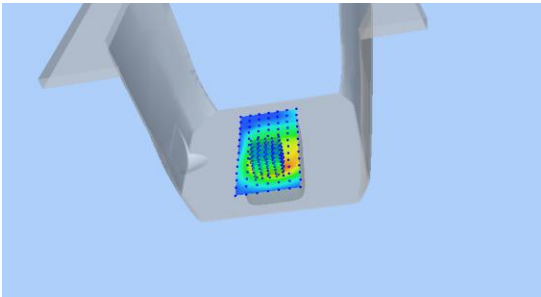
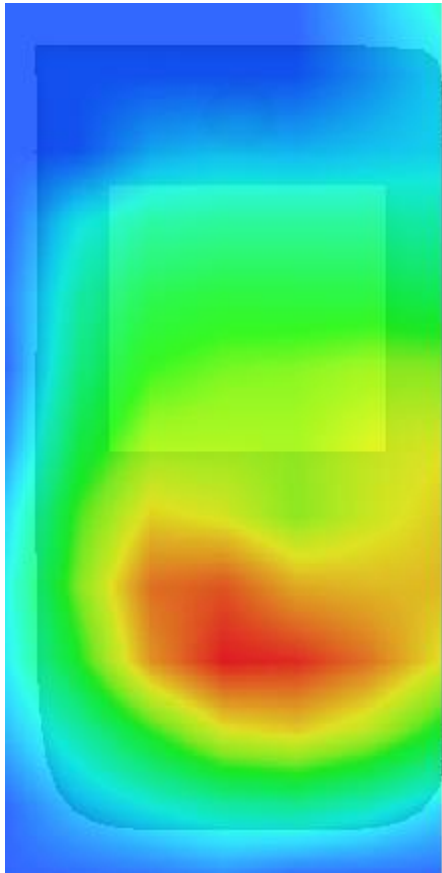
Maximum location: X=-2.00, Y=-34.00

SAR Peak: 0.59 W/kg

SAR 10g (W/Kg)	0.123049
SAR 1g (W/Kg)	0.341226

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5673	0.3553	0.1867	0.0986	0.0444	0.0159	0.0040



3D screen shot	Hot spot position
	

MEASUREMENT 98

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 11 minutes 38 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

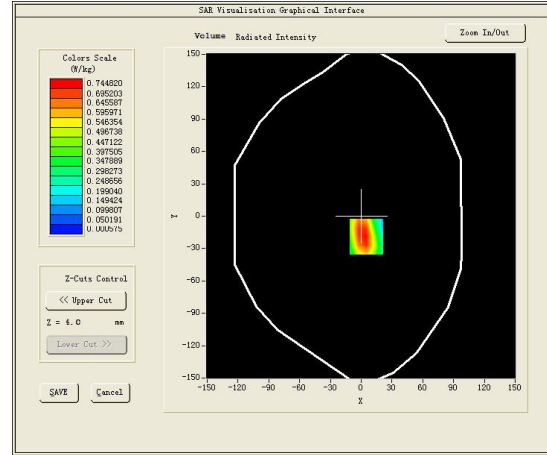
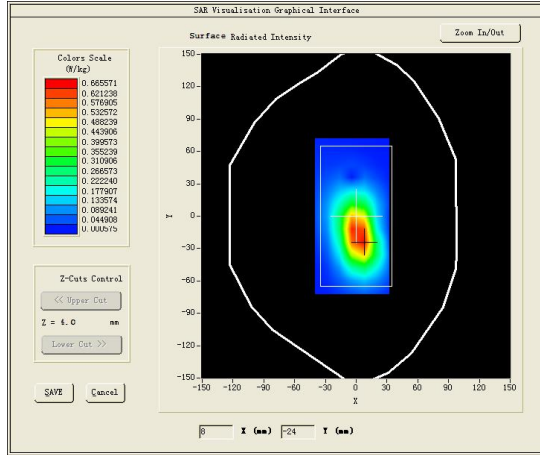
B. SAR Measurement Results

Higher Band SAR (Channel 1513):

Frequency (MHz)	1752.600000
Relative permittivity (real part)	53.309200
Relative permittivity (imaginary part)	14.687100
Conductivity (S/m)	1.429544
Variation (%)	2.100000

SURFACE SAR

VOLUME SAR

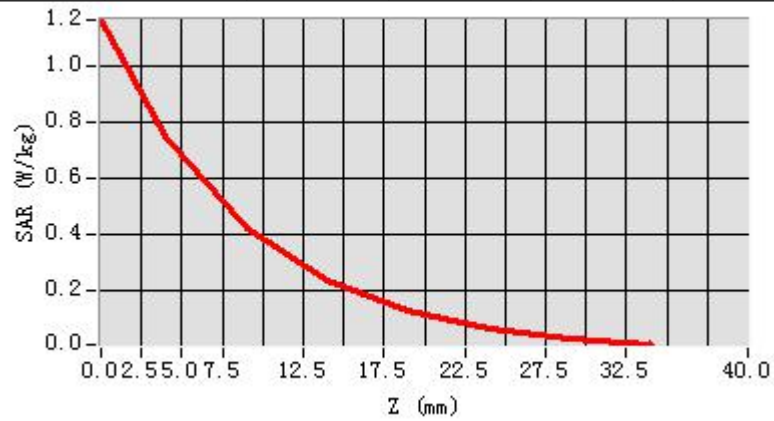


Maximum location: X=5.00, Y=-19.00

SAR Peak: 1.27 W/kg

SAR 10g (W/Kg)	0.374045
SAR 1g (W/Kg)	0.661379

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1625	0.7448	0.4163	0.2328	0.1274	0.0622	0.0232



3D screen shot	Hot spot position
